

2009 University of Maine Extension Plan of Work

Status: Accepted
Date Accepted: 04/24/08

I. Plan Overview

1. Brief Summary about Plan Of Work

For more than 90 years, the University of Maine has been charged with reaching out to Maine citizens and providing accessible education, leadership, and service to the state. As a land-grant and sea-grant institution, our participation in community life and improvement is vital. The University of Maine Cooperative Extension supports UMaine's public education and service role by conducting Extension programs in every county in Maine, and beyond.

As we engage in teaching and learning, we listen to our audiences across the state and revise our educational programs accordingly. Our role as university educators working in Maine communities is to remain relevant and flexible by teaching practical life skills and providing contemporary, research-based information. The role of Maine citizens, as our partners, is to be involved, to supply feedback about what works and what we can improve, and to apply what they learn in meaningful ways to their lives and communities.

In this second year of our Plan of Work, we are refining our intentions based on experience in program implementation during 2007. We expect further refining in subsequent years. The results represent ongoing renewal and an increased understanding of the specific need for educational programming and discovery (including applied research) in Maine. Consequently, we will continue our focus on long-term outcomes in five areas. We will

- enhance the economic and environmental sustainability of Maine agriculture and aquaculture;
- increase the economic and social viability and sustainability of Maine communities;
- enhance the safety, sustainability, and dependability of Maine's food supply;
- improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness; and
- protect and enhance Maine's natural resources and environment through sustainable stewardship.

Our intentions to achieve these outcomes have been formed with a statewide, and where appropriate a multistate, perspective by programming teams within UMaine Extension. Each team has focused their collaborative and individual programming goals on one or more of the 18 Maine issue areas that were identified through a recent needs assessment process. These intentions are expressed through 2012, and will be renewed annually with an ongoing five-year perspective.

We at UMaine Extension commit to serving Maine with a deep appreciation of our roots and a profound belief that we can create an even better future together. In the process we will use our limited resources wisely and continue to partner with the people, agencies, and other educational and discovery entities of Maine.

Estimated Number of Professional FTEs/SYs total in the State.

Year	Extension		Research	
	1862	1890	1862	1890
2009	93.3	0.0	5.4	0.0
2010	88.5	0.0	4.9	0.0
2011	87.5	0.0	4.8	0.0
2012	85.6	0.0	5.9	0.0
2013	84.0	0.0	5.0	0.0

II. Merit Review Process**1. The Merit Review Process that will be Employed during the 5-Year POW Cycle**

- Internal University Panel
- External University Panel
- External Non-University Panel
- Expert Peer Review
- Other (Individual experts pertinent to Maine issue areas)

2. Brief Explanation

A cross-section of stakeholders with diverse roles will contribute to the ongoing review of Extension programming. Reviews will be conducted relating to specific Maine issues using consistent criteria that require programs to be needs-based, effective, and collaborative, and have potential to meet the special needs of diverse and under-served audiences. Reviewers are chosen by program teams and administrators based on their expertise relative to the issue. Frequency of reviews and lists of reviewers will evolve along with the Plan of Work. Following is the list of proposed reviewers for each issue area:

A**Aging Lifestyles**

- UMaine School of Social Work (Sandy Butler) •UMaine Center on Aging (Dr. Leonard Kaye)

Agriculture - Crop Production

- Maine Potato Board (Don Flannery) •Maine Organic Farmers and Growers Association (Russell Libby) •The Agricultural Council of Maine (Tim Hobbs) •Maine Department of Agriculture, Food and Rural Resources (John Harker). •U.S. Agricultural Research Service (John Halloran) •UMaine Department of Resource Economics and Policy (Lisa Bragg)

- UMaine Department Natural Sciences, Forestry & Agriculture (Fred Servello)

Agriculture - Sustainable Business Management

- Vermont Extension (Dr. Bob Parsons, Extension Farm Management Specialist) •Maine Department of Agriculture, Food and Rural Resources (John Harker)

Coastal and Marine

- UMaine School of Marine Sciences (Dr. James Mc Cleaves) •Maine Department of Marine Resources (Linda Mercer)
- Maine Sea Grant Policy Advisory Committee (Kathleen Leyden) •Maine Aquaculture Association (Sebastian Belle)
- Maine Department of Marine Resources (Samantha Horn Olsen)

Community Development: Capacity/Building Skills

- Maine Community Foundation (Ann Tart) •Maine Rural Partners (Mary Ann Hayes)

Entrepreneurship - Small and Home Based Business

- Small Business Development Center at the University of Southern Maine (John Massua)

Environmental Education-Sustainable Living

- UMaine College of Education and Human Development (Dr. Mary Bird)

Family Relations and Transitions

- UMaine Employee Assistance Program (Dr. Polly Mountvelis) •UMaine College of Education and Human Development (Dr. Gary Schilmoeller)

Food Safety

•University of New Hampshire Extension (Dr. Catherine Violette) •Maine Department of Agriculture, Food, and Rural Resources (Stan Millet Interim Director of the Division of Regulations, Dr. Donald Hoenig - State Veterinarian) •UMaine Department of Food Science & Human Nutrition (Dr. Vivian Woo)

Forestry and Wildlife

•Maine Forest Service (Kevin Doran) •Natural Resources Conservation Service (State Forester) •USDA Forest Service Northeastern Research Station Forestry Sciences Laboratory (Roger Monthey)

Health Literacy, Disease and Our Health Care System

•Maine Center for Disease Control and Prevention (Christine Lyman)

Healthy Lifestyles

•UMaine Department of Food Science and Human Nutrition (Dr. Adrienne White) •Maine Nutrition Network (Chris Sady) Home Horticulture

•University of Southern Maine Department of Horticulture (Dr. Rick Churchill) •Maine Department of Agriculture, Food and Rural Resources (State Horticulturist)

Maine Livestock Industry

•Maine Dairy Industry Association (Julie Marie Bickford)

Pest Management

•Maine Department of Agriculture, Food and Rural Resources - Board of Pesticides Control (Gary Fish, Kathy Murray)

•UMaine Department of Biological Sciences (Dr. Eleanor Grodin)

Sustainable Communities

•UMaine Department of Resource Economics and Policy (Dr. George Criner)

Watershed Management

•Maine Department of Environmental Protection (Roy Bouchard) •Senator George J. Mitchell Center for Environmental and Watershed Research (John Peckenham)

Youth Development

III. Evaluation of Multis & Joint Activities

1. How will the planned programs address the critical issues of strategic importance, including those identified by the stakeholders?

Our plans of work are outcome-focused, and structured to address one or more of 18 Maine issue areas. Programs will be delivered to achieve the intended outcomes and will be measured through planned evaluations of short-, medium-, and long-term changes in target audiences.

2. How will the planned programs address the needs of under-served and under-represented populations of the State(s)?

Each year we carry out mandatory civil rights training for all of our staff that includes a review of our civil rights policy, a review of the five federal laws that form the basis for our policy (Civil Rights Act of 1964; Title VI, Title IX of the Educational Amendments of 1972; Rehabilitation Act of 1973; Section 504, Americans with Disabilities Act (ADA) of 1992; and the Age Discrimination Act of 1975), and a review of our process to ensure that all reasonable effort is made to involve minorities and clientele with disabilities in our programs and to properly record that effort. This work is supported by a civil rights coordinator in each county and campus office and an organization-wide civil rights committee.

A number of planned programs and organizational initiatives will serve the needs of underrepresented and underserved audiences in Maine:

UMaine Extension's Women's Agricultural Network (WAgN) will continue to serve the needs of female farmers. WAgN enables women and other underserved people to successfully own, operate, and support agriculture-related enterprises, and provides outreach and advocacy on women's issues in agriculture, support and networking, education and training, economic and community development, and scholarship and training accessibility.

UMaine Extension coordinates the Wabanaki Relations Group. This group is reaching out to Wabanaki people in Maine to create stronger relationships between our staff and individuals in Maine's Native communities (as well as with Wabanaki-serving organizations), and to identify areas of programming that will strengthen Native communities while expanding our capacity to serve diverse audiences.

The Eat Well Nutrition Education Program (Eat Well) is a major outreach effort of UMaine Extension. Both components of Eat Well—the Expanded Food and Nutrition Education Program (EFNEP) and the Maine Family Nutrition Program (MFNP)—are staffed with nutrition aides who bring nutrition education to low-income individuals and families living in urban and rural areas of Maine. EFNEP's target audience is made up of low-income families with young children. EFNEP nutrition aides are making special efforts to reach targeted populations, including the Somali population in Auburn/Lewiston area, Native American populations in Penobscot and Aroostook Counties, South Pacific Islanders in Cumberland County, and Spanish-speaking migrant workers in Washington County.

Our Senior Companion Program will continue to educate volunteers, clients, families, and caregivers in independent living

in later years. Seniors present and future will be best equipped to live in their own home for as long as possible, in a safe home environment. Limited-resource clients are included in the Senior Companion Program and are predominantly volunteers (as part of criteria to become a volunteer).

The Sustainability Program will teach participants daily practices that can reduce their impacts on the environment. This program is designed for a lower-income audience not typically reached by UMaine Extension. To date, the outcome projects are all designed to work with lower-income seniors.

Efforts will be made to begin 4-H programming at the Passamaquoddy Tribe's Indian Township Reservation in Washington County. Continued efforts will be made to work with Sipayik Boys and Girls Club at Pleasant Point Reservation to continue the integration of 4-H programming. Our 4-H program will also be serving children of parents deployed in the military as part of a new grant initiative.

Extension has joined with the UMaine Division of Lifelong Learning to offer the Diversity Leadership Institute, a two-year program to educate UMaine staff about race and privilege issues. Diversity awareness in our staff amplifies organizational creativity, improves our ability to cope with change, and expands our capacity to serve an increasingly diverse society.

3. How will the planned programs describe the expected outcomes and impacts?

By working independently and within teams, UMaine Extension program delivery staff have expressed their intentions to conduct Extension and research programs that will address current and emerging issues. These planned programs describe our intended organizational investment (inputs), planned educational methods and target audiences (outputs), and the learning and action changes that program participants will achieve that lead to positive changes in the condition of their lives (outcomes). Target outcomes identified by teams of UMaine Extension staff will achieve five long-term outcomes. Successful attainment of outcomes will be identified by a variety of evaluation techniques using established outcome measures for determining learning gained and actions taken by participants. Planned program targets are expressed for five years and will be revised annually with the addition of a fifth year.

4. How will the planned programs result in improved program effectiveness and/or efficiency?

Planned programs within this plan of work were established by teams using an issues-based process that examined current situations and assumptions, targeted audiences and outcomes, and established general evaluation strategies. Further, research and educational planning was conducted using a structured format within a Web-based planning program that reflects the elements of the logic modeling process. Consequently, effectiveness and efficiency have been improved through the application of a consistent and comprehensive planning process for all of our outreach staff. One example is the anticipation of improved effectiveness by our 4-H youth development programs through crafting of consistent programming logic models guided by three USDA-CSREES and National 4-H Council mission mandates.

Engaging in a comprehensive planning approach has also encouraged participation in structures that increase programming efficiencies through collaborations. Examples include the Maine Agricultural Center, a collaboration that brings together the agriculturally related programs of the UMaine College of Natural Sciences, Forestry, and Agriculture, the Maine Agricultural and Forest Experiment Station, and UMaine Extension, as well as multistate programming connections such as the Facilitation SkillsCurriculum, the Maine Compost Team, and the New England Garden Conference.

IV. Stakeholder Input

1. Actions taken to seek stakeholder input that encourages their participation

- Other (Research using relevant current and first-source data)
- Targeted invitation to traditional stakeholder individuals
- Use of media to announce public meetings and listening sessions
- Targeted invitation to non-traditional stakeholder individuals
- Targeted invitation to traditional stakeholder groups
- Survey of traditional stakeholder groups
- Targeted invitation to selected individuals from general public
- Survey of traditional stakeholder individuals

Brief explanation.

In preparation for first 5-year planning cycle in 2004 we conducted a statewide needs assessment that included two components which encouraged direct stakeholder participation. The first was a targeted solicitation of stakeholders, UMaine teaching and research faculty, and Extension staff to define a list of priority issues relevant to citizens and within the general

categories of Extension programming in Maine; agriculture, stages of life, health and wellness, natural resources and the environment, and sustainable communities and lifestyles. The second component involved stakeholders and the general public in a series of public planning discussions that were designed and implemented under contract with the University of Maine Center for Research and Evaluation.

We continue to interact with stakeholders in a wide variety of ways that solicit and encourage feedback on the programmatic level.

2(A). A brief statement of the process that will be used by the recipient institution to identify individuals and groups stakeholders and to collect input from them

1. Method to identify individuals and groups

- Use Advisory Committees
- Other (Identify and analyze issues)
- Needs Assessments
- Use Surveys

Brief explanation.

Stakeholders are primarily identified through a deep understanding of current and emerging issues in Maine, and the issue's relevance to the citizens of Maine. Issues have been identified through internal and external surveys that were a component of a recent statewide needs assessment, and evaluated through a scholarly analysis. This process will be updated once each five-year period.

Stakeholders are also identified through ongoing interactions with advisory committees and traditional stakeholder groups, who serve as the eyes and ears for UMaine Extension within communities and specific areas of interest; and through the budget appropriations process with funders such as county commissioners and the Maine state legislature.

Internal policies also require that we actively recruit and retain people who are traditionally underserved and underrepresented in our programs and employee groups.

2(B). A brief statement of the process that will be used by the recipient institution to identify individuals and groups who are stakeholders and to collect input from them

1. Methods for collecting Stakeholder Input

- Meeting specifically with non-traditional groups
- Other (Research using relevant current and first source data)
- Meeting with traditional Stakeholder individuals
- Meeting with the general public (open meeting advertised to all)
- Meeting with traditional Stakeholder groups

Brief explanation

Our planned programs are a result of a comprehensive planning process that included our entire programming staff, informed by the results of a statewide needs assessment.

Within the priority issue areas that were defined with stakeholder input, research was conducted by Extension experts working individually or in teams, and using relevant current and first source data to produce a peer-reviewed white paper for each issue area that addressed the following elements:

•The scope of the issue area. •The current situation. •The societal impacts and consequences in Maine if the issue were being addressed. •Changes needed to improve the current situation. •Type of programmatic action indicated to produce the desired results. •An examination of who else is addressing the issue in Maine.

The white papers, with abstracts, were posted to the UMaine Extension Web site, reproduced in hard copy by request, and were the informational foundation for public planning discussions that were designed and implemented under a contract with the University of Maine Center for Research and Evaluation. The discussions, called "Shaping Our Future: A Planning Discussion for Cooperative Extension," were held in each county office in Maine, and in selected issue-based stakeholder meetings. The county-based sessions offered the public an opportunity to engage in discussions about educational issues and local needs for their communities, and to provide input to programming priorities. Participants included the general public and targeted stakeholders. Prioritized results were posted to our public Web site and used by Extension staff to inform their programming intentions for the first iteration of the current POW cycle (2007–2011), as well as subsequent cycles.

UMaine Extension staff continuously engage in formal and informal interaction with traditional and non-traditional stakeholders through programming and networking opportunities. This interaction builds an understanding of the evolving needs

of our constituents, allowing staff to adjust program delivery appropriately.

Each year staff will be asked to review their programming intentions for upcoming years and to add intentions for a fifth year. As part of the process, they will review information from ongoing merit review processes and the statewide needs assessment, the most important elements of which will be updated once each five-year period.

3. A statement of how the input will be considered

- To Identify Emerging Issues
- Redirect Research Programs
- To Set Priorities
- Redirect Extension Programs

Brief explanation.

Needs assessment data, which includes stakeholder input, will be used to inform UMaine Extension teams and individuals about emerging issues that will help them prioritize and focus research and Extensions programs appropriately and effectively.

V. Planned Program Table of Content

S. NO.	PROGRAM NAME
1	Aging Lifestyles
2	Agriculture - Crop Production
3	Coastal and Marine
4	Entrepreneurship - Small and Home Based Business
5	Agriculture - Sustainable Business Management
6	Community Development: Capacity-building Skills
7	Environmental Education - Sustainable Living
8	Family Relations and Transitions
9	Food Safety
10	Forestry and Wildlife
11	Health Literacy, Disease, and Our Health Care System
12	Healthy Lifestyles
13	Administrative Plan of Work; Planning and Supervision
14	Home Horticulture
15	Maine Livestock Industry
16	Pest Management
17	Sustainable Communities
18	Youth Development
19	Watershed Management

V(A). Planned Program (Summary)

Program #1

1. Name of the Planned Program

Aging Lifestyles

2. Brief summary about Planned Program

Maine's population has an increasing proportion of those aged 65 or older, and more than 50 percent of elders live in rural areas, limiting their access to social services and other assistance. Many elders rely on family members for assistance with daily living, many of whom must take time off work to do so. Workshops for employers and employees will address workplace issues related to care of elders. Websites will be developed to provide access to elder care information and about available resources and services. By collaborating with others, UMaine Extension will work to create the safe and supportive communities and physical environments required to promote healthy aging in Maine.

3. Program existence : New (One year or less)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
607	Consumer Economics	10%		10%	
608	Community Resource Planning and Development	10%		10%	
723	Hazards to Human Health and Safety	10%		10%	
724	Healthy Lifestyle	10%		10%	
801	Individual and Family Resource Management	10%		10%	
802	Human Development and Family Well-Being	10%		10%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%		10%	
805	Community Institutions, Health, and Social Services	10%		10%	
901	Program and Project Design, and Statistics	10%		10%	
903	Communication, Education, and Information Delivery	10%		10%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Elder Caregiving: A survey of Maine citizens found that (1) over 60 percent of employers were either somewhat or very supportive of employees needing time off to help an older family member, but only 11 percent of caregivers reported that they routinely took time off; (2) most people would turn to family, friends, or a doctor for help with an older family member before turning to the Department of Human Services, Area Agency on Aging, or home health agency; (3) forty-seven percent of respondents routinely helped an older family member, most frequently assisting with shopping, errands, bills, and doctors appointments, as well as house or yard work; (4) thirty-four percent of the respondents had used home care services.[i]

Retirement and Planning: Results of a 2001 survey indicated that 30 percent of the employers of workers surveyed did not contribute to an employee retirement plan. [ii] It is reported that average American households have accumulated less than \$1,000 in net financial assets and less than \$35,000 in net worth. [iii] In addition, the annual Retirement Confidence Survey for 2003 found that three out of ten workers (29 percent) have not saved for retirement.[iv]

Independent Living: When surveyed as to the most important thing the state could do to help older people live more independently, Maine people identified the following: improved assisted living or home care options; lower taxes; better public transportation; lower drug costs; financial assistance; affordable medical care; and better and more affordable housing options.

[v]

Health and Wellness: The U.S. Administration on Aging is focusing on lifestyle choices that will reduce physical limitations associated with illness, disease and unhealthy lifestyles. Prevention strategies such as access to health screenings, physical activity and nutrition programs, mental health programs, and routine immunizations will be emphasized. [vi] Of those people receiving long-term care assessments, the top ten health problems reported were hypertension, dementia, arthritis, other cardiovascular disease, depression, allergies, congestive heart failure, diabetes mellitus, cerebrovascular accident, and emphysema.[vii]

[i] Bureau of Elder and Adult Services, "Maine Development Foundation 2001 Survey of Maine Citizens," http://www.state.me.us/dhs/beas/survey/00_01survey/2001_survey.htm (accessed August 2002, July 2004, May 2006).

[ii] Bureau of Elder and Adult Services, "2001 Survey of Maine Citizens."

[iii] CSREES, USDA, National Extension Money Management, \$ (Financial) Security Later in Life (July, 2000), 3.

[iv] Employee Benefit, Research Institute, Retirement Confidence Survey, "The 2003 Retirement Confidence Survey Summary of Findings," <http://www.ebri.org/> (accessed May 2006).

[v] Bureau of Elder and Adult Services, "2001 Survey of Maine Citizens."

[vi] Administration on Aging, Elders and Families, "Promoting Healthy Lifestyles," http://www.aoa.gov/eldfam/healthy_lifestyles/hl_hd.asp (accessed May 2006).

[vii] Maine Bureau of Elder and Adult Services, Department of Human Services, "2004 State Plan on Aging, October 1, 2000 - September 30," http://www.maine.gov/dhhs/beas/stateplan/2005/plan_2004_2008.htm (accessed May 2006).

2. Scope of the Program

- In-State Extension
- Multistate Integrated Research and Extension
- Multistate Research
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

While aging is something we all do, every day, we may define "old" in different ways. Definitions include: chronological age, stage of life, or the function someone performs in everyday life. Aging issues include the lifestyles and needs of the following groups:

•Pre-retirees or "mature adults": approximately 45 or 50 to 64 years of age •Younger retirees or the "young old": generally in the 65- to 74-year-old range •Older retirees or the "old": 75 to 84 years of age •Very old retirees or the "old, old": 85 years of age or older •Formal and informal or family caregivers: adults of any age who are providing support or care to another adult, usually someone in the "young old" through "old, old" age range •Relatives and grandparents raising children: individuals who are caring for a child or children of their own adult children or other adult family member

There are 183,402 persons age 65 or older living in Maine. They make up 14.4 percent of the state's population: an increase of 11 percent since 1990 and 23 percent since 1980.[i] Ten percent of Maine people age 65 and older had incomes below the federal poverty level. Generally, the income of Maine elders tends to be lower than elders nationally and is often fixed, making access to goods and services more difficult.[ii] Maine ranks second nationwide for percentage of residents age 65 and older living in rural areas-55.8 percent compared to 21.7 percent nationally. This further limits access to needed goods and services.

[i] Bureau of Elder and Adult Services, Department of Human Services, "A Profile of Maine's Older Population," <http://www.state.me.us/dhs/beas/profile/> (accessed July 2004).

[ii] Mills, Dora Anne, Healthy Maine 2010 - Opportunities for All, (Maine Department of Human Services, Bureau of Health, 2002), 38.

2. Ultimate goal(s) of this Program

•Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	0.5	0.0	0.2	0.0
2010	0.5	0.0	0.2	0.0
2011	0.5	0.0	0.2	0.0
2012	0.5	0.0	0.2	0.0
2013	0.4	0.0	0.2	0.0

V(F). Planned Program (Activity)**1. Activity for the Program**

•Aging Initiatives Web Site Pages •Aging Related (publication) •Aging Related (refereed journal article) •Current and Emerging Technology Workshops •eXtension Family Caregiving Community of Practice [CoP] Web Site Development
 •Preparing for Elder Care Employer/Employee Project

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> • Other 1 (Collaborative or Cooperative Eff) • Workshop 	<ul style="list-style-type: none"> • Other 2 (Publication - refereed journal a) • Web sites • Other 1 (Publication)

3. Description of targeted audience

•Employees (Adult) •Employers (Adult) •Extension - all staff (Adult) •General Public (Adult) •Social Service Providers (Adult)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	158	275	0	0
2010	158	275	0	0
2011	158	275	0	0
2012	158	275	0	0
2013	158	275	0	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications****2009 :0****2010 :0****2011 :0****2012 :0****2013 :0**

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs

1. Output Target

● Direct - Collaborative or Cooperative Effort				
2009 6	2010 6	2011 6	2012 6	2013 6
● Direct - Workshop - single session				
2009 1	2010 1	2011 1	2012 1	2013 1
● Indirect - Website				
2009 5	2010 5	2011 5	2012 5	2013 5

V(I). State Defined Outcome

O. No	Outcome Name
1	Balance roles, responsibilities, and stress
2	Care for and nurture others
3	Evaluate and analyze existing employer policies or practices
4	Prepare legal documents related to personal care, health care and end-of-life issues
5	Use programs and services that support independent living
6	Use relevant UMaine Extension web-based resources
7	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
8	Increase the economic and social viability and sustainability of Maine communities.

Outcome #1**1. Outcome Target**

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Action Outcome Measure

2009 5	2010 : 5	2011 : 5	2012 5	2013 :5
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #2**1. Outcome Target**

Care for and nurture others

2. Outcome Type : Change in Action Outcome Measure

2009 5	2010 : 5	2011 : 5	2012 5	2013 :5
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #3**1. Outcome Target**

Evaluate and analyze existing employer policies or practices

2. Outcome Type : Change in Action Outcome Measure

2009 3	2010 : 3	2011 : 3	2012 3	2013 :3
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

Outcome #4**1. Outcome Target**

Prepare legal documents related to personal care, health care and end-of-life issues

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 801 - Individual and Family Resource Management

Outcome #5**1. Outcome Target**

Use programs and services that support independent living

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services

Outcome #6**1. Outcome Target**

Use relevant UMaine Extension web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** :300**2010** : 300**2011** : 300**2012** 300**2013** :300**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 901 - Program and Project Design, and Statistics
- 903 - Communication, Education, and Information Delivery

Outcome #7**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure**2009 :**0**2010 :**0**2011 :**0**2012 :**0**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 723 - Hazards to Human Health and Safety
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics
- 903 - Communication, Education, and Information Delivery

Outcome #8**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Knowledge Outcome Measure**2009 :**0**2010 :**0**2011 :**0**2012 :**0**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 723 - Hazards to Human Health and Safety
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics
- 903 - Communication, Education, and Information Delivery

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Public Policy changes
- Competing Programmatic Challenges
- Competing Public priorities
- Appropriations changes
- Economy
- Natural Disasters (drought,weather extremes,etc.)
- Government Regulations
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)
- Retrospective (post program)
- Time series (multiple points before and after program)

Description

A short-term evaluation will document activities and project outcomes or products using meeting notes, end or educational program evaluations, researcher/educator observation, and researcher/educator journal.

A mid-term evaluation will document changes in employer/employee engagement, practice, decision-making approach, and social action within the "community of interest."

A long-term evaluation will investigate the impact of changes in social, civic, organizational, economic, and environmental conditions using, but not limited to, retrospective evaluation techniques.

2. Data Collection Methods

- Other (Email/Web surveys)
- On-Site
- Structured
- Observation
- Journals

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

Program #2

1. Name of the Planned Program

Agriculture - Crop Production

2. Brief summary about Planned Program

Agriculture is an important industry in Maine. Continued success of Maine farmers relies on a balance among yield, protecting the environment, and decreasing costs. Through workshops, field days, consultations, newsletters, websites, hotlines, conferences, and field trials, clients are engaged in determining how best to achieve that balance. Agency and extension professionals, commercial producers, green industry workers, and home gardeners participate in programs on nutrient management, small fruit and vegetable production, solar systems, cut flowers, organic grains, sustainable cropping and livestock systems, ornamental horticulture, and many others.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
101	Appraisal of Soil Resources	5%		5%	
102	Soil, Plant, Water, Nutrient Relationships	20%		20%	
111	Conservation and Efficient Use of Water	10%		10%	
112	Watershed Protection and Management	10%		10%	
131	Alternative Uses of Land	10%		10%	
202	Plant Genetic Resources and Biodiversity	15%		15%	
205	Plant Management Systems	10%		10%	
314	Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals	10%		10%	
405	Drainage and Irrigation Systems and Facilities	10%		10%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Our success growing agricultural crops in Maine is fragile. The long history of family farms and community-based farming is facing unprecedented stress from several sources. Intense competition from within and across our national borders has forced prices to levels that threaten the profitability of growing crops locally. These pressures have resulted in a decrease in farm numbers and acreage in every county over the past decade. At the same time, the need to produce crops in a manner that does not threaten the environment has never been greater, despite the added costs and risks this can generate. Thus farmers are trying to develop methods to optimize crop yield and quality using techniques that sustain our environment, while keeping costs at levels that will maintain or improve farm profitability. For example, many Maine crops could benefit from irrigation, but we must be able to provide water to our crops with techniques that are low cost, and also protect our water supply. Storage technology could significantly lengthen and expand marketing opportunities for our crops, but it must also be affordable and environmentally sound. Managing the weeds, insects and diseases that threaten our crops poses a great challenge, as new pests emerge and old methods of controlling pests must be put aside due to resistance, health risks or environmental threats. Growing crops organically can improve marketability and profits, but pest control and fertility problems need to be addressed before organic production can be successful on a large scale in Maine. There are also opportunities to use new crops to expand our markets, improve soil fertility, and reduce pest problems, but most are untested in our climate and could pose an economic risk if they prove unreliable. New technologies, new crops and new markets offer real opportunities for Maine farmers to maintain and improve the profitability of their operations. However, unless these opportunities are fully tested, explored and implemented, it is likely that there will be a significant decline in commercial crop production in Maine in the coming years, with

consequences that will affect all Maine residents.

2. Scope of the Program

- Multistate Integrated Research and Extension
- In-State Extension
- Multistate Research
- Multistate Extension
- Integrated Research and Extension
- In-State Research

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

According to the 2002 agricultural census, the diversity of crops we grown on 7,196 Maine farms have a market value of more than \$450 million. With their associated industries, such as processors, suppliers and retailers, farms provide about \$1.2 billion in economic activity for the state, and employ over 65,000 workers. Growing crops on Maine farms preserves over 1.4 million acres in open space and provides Maine citizens with locally grown fresh and processed food. Our farms produce an impressive array of crops. Some, such as potatoes and blueberries, are grown on larger farms, supported by large industries, and create substantial economic activity (\$300 million and \$30 million, respectively). Other crops, such as ornamentals (trees, shrubs and flowers) are grown on far fewer acres, but have very high value, generating over \$300 million annually. Fruits and vegetables tend to be grown on small, diversified farms, many only 20 acres or less, and are often situated near high population areas. Yet this part of the industry is vital and growing, employing a large labor force and providing fresh, nutritious, local produce to Maine people through farm stands, farmers markets and stores, with more than \$30 million dollars in sales annually. Forage crops, such as hay, silage and grain, are vital to our dairy and meat industries and, like other crops, play an important role in maintaining Maine's open spaces and rural heritage. This, in turn, maintains the attractive character of the Maine landscape that keeps our tourism industry vibrant, and slows the spread of urban sprawl.

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Enhance the safety, sustainability, and dependability of Maine's food supply. •Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and sustainability of Maine communities. •Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	19.6	0.0	0.9	0.0
2010	10.4	0.0	0.8	0.0
2011	10.0	0.0	0.8	0.0
2012	10.1	0.0	0.8	0.0
2013	10.0	0.0	0.8	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- New England Greenhouse Conference
- Display at NewEnglandGrows and New England Garden Conference
- Agriculture - Crop Production Related Publications (conference proceedings)
- Agriculture - Crop Production Related

Publications (refereed journal article) •Commercial Agriculture Conference •Commercial Agriculture Workshop Series
 •Consultations on Crop Production •Crop Production Related (publication) •Crop Production Related (refereed journal article)
 •Crops Related (publication) •Crops Related (refereed journal article) •Cut Flower Research •Demonstration
 •Field Days (Sustainable Cropping Systems) •Greenhouse Pest Manual •Mildew Project, Scaevola Project, Field Trials
 •Maine Agriculture Trades Show •Maine Potato Conference •Maine Senior Farmshare •Maine Vegetable and Fruit School
 •New England Regional In-Service Training for Agricultural Service Providers •New England Small Fruit Pest Management Guide
 •New England Vegetable and Fruit Conference •New England Vegetable Management Guide
 •Organic Forage and Grain Cropping Systems •Pest Alert Newsletter •Pest Management Conference •Pest Management Hotline
 •Piscataquis Farming Newsletter •Potato Cropping Systems - Applied Research •Potato Program Web site
 •Small Fruit and Vegetable Variety and Production Trials •Solar Collection for Hoop Houses and Green Houses
 •Spudlines Newsletter •Tree Fruit Meetings •Tree Fruit Newsletter •Tree Fruit Workshops and Demonstrations
 •Vegetable and Berry News •Vegetable Fact Sheets •Vegetable Variety and Production Trials •York County Farmer's Network

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> • Demonstrations • Other 2 (Display or exhibit) • One-on-One Intervention • Education Class • Workshop • Group Discussion • Other 1 (Train-the-Trainer) 	<ul style="list-style-type: none"> • Other 1 (Applied Research) • Newsletters • Other 2 (Publication) • Web sites

3. Description of targeted audience

•Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Agricultural Workers (Adult) •Commercial Dairy Producers (Adult)
 •Commercial Potato Growers (Adult) •Commercial Vegetable Growers (Adult) •Community Leaders (Adult) •Community Members (Adult)
 •Extension - all staff (Adult) •Extension Faculty (Adult) •Farmers (Adult) •General Public (Adult)
 •Green Industry Members (Adult) •Greenhouse Operators (Adult) •Home Gardeners (Adult) •Limited Income Public (Adult)
 •Pesticide Applicators (Adult) •Scientists (Adult)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	14600	20700	0	0
2010	15400	20000	0	0
2011	14300	20100	0	0
2012	15200	20000	0	0
2013	15200	20000	0	0

2. (Standard Research Target) Number of Patent Applications Submitted

Expected Patent Applications

2009 :0

2010 :0

2011 :0

2012 :0

2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - Public Presentation

2009 :10 **2010** :10 **2011** :7 **2012** :7 **2013** :7

- Direct - Group Presentation

2009 :114 **2010** :114 **2011** :114 **2012** :114 **2013** :114

- Indirect - Website

2009 :1 **2010** :1 **2011** :1 **2012** :1 **2013** :1

- Direct - Consultation; phone, written, in-person

2009 :540 **2010** :540 **2011** :540 **2012** :540 **2013** :540

- Indirect - Publication - manual

2009 :3 **2010** :1 **2011** :3 **2012** :1 **2013** :1

- Indirect - Publication - newsletter

2009 :45 **2010** :45 **2011** :45 **2012** :45 **2013** :45

- Direct - Conference or symposium

2009 :104 **2010** :104 **2011** :104 **2012** :104 **2013** :104

- Direct - Collaborative or Cooperative Effort

2009 :7 **2010** :7 **2011** :1 **2012** :1 **2013** :1

- Direct - Applied Research

2009 :5 **2010** :5 **2011** :5 **2012** :5 **2013** :5

- Direct - Train-the-Trainer

2009 :2 **2010** :2 **2011** :2 **2012** :2 **2013** :2

- Direct - Workshop - series

2009 :100	2010 300	2011 :100	2012 300	2013 300
● Direct - Workshop - single session				
2009 7	2010 7	2011 :7	2012 7	2013 7
● Indirect - Audio Visual resource				
2009 :15	2010 :15	2011 :15	2012 :15	2013 :15
● Indirect - Applied Research				
2009 :12	2010 :11	2011 :11	2012 :11	2013 :11
● Indirect - Publication - conference proceedings				
2009 3	2010 2	2011 2	2012 2	2013 2

V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt Integrated Pest Management strategies
2	Adopt and maintain integrated pest management strategies
3	Adopt appropriate handling and storage technologies
4	Adopt appropriate management strategies
5	Adopt appropriate pest management practices
6	Adopt appropriate practices
7	Adopt appropriate technologies
8	Adopt environmentally sound technologies that improve economic viability
9	Adopt new crop
10	Adopt practices that maintain long-term productivity
11	Adopt practices that maintain profitability
12	Develop environmentally sound technologies that improve economic viability
13	Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops
14	Evaluate new cropping systems
15	Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
16	Grow new crop
17	Grow new variety
18	Improve Integrated Pest Management
19	Improve crop quality and marketability
20	Improve production and quality of crops
21	Improve soil health
22	Maintain Certified Crop Advisor Certification
23	Maintain nutrient management certification
24	Maintain pesticide applicator certification
25	Make appropriate cultivar choices
26	Make better decisions regarding pest management
27	Participate in the Maine grass farmer network
28	Test new crops
29	Test new production techniques
30	Test new varieties
31	Use relevant UMaine Extension web-based resources
32	Grow trialed plants
33	Increase crop production
34	Reduce the use of high-risk pesticides
35	Test new storage techniques
36	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
37	Enhance the safety, sustainability and dependability of Maine's food supply.
38	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
39	Protect and enhance Maine's natural resources and environment through sustainable.
40	Acquire pesticide applicator certification
41	Adopt appropriate nutrient management strategies
42	Create jobs
43	Develop sustainable networks
44	Dollars saved
45	Enroll in and work with Farms for the Future
46	Expand Integrated Pest Management

47	Expand and enhance markets
48	Increase consumption of locally produced foods
49	Increase purchase of Maine products
50	Operate equipment safely
51	Use grasslands efficiently for feed and water quality protection
52	Use new technologies
53	Use pesticides safely

Outcome #1**1. Outcome Target**

Adopt Integrated Pest Management strategies

2. Outcome Type : Change in Action Outcome Measure

2009 :30	2010 : 30	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #2**1. Outcome Target**

Adopt and maintain integrated pest management strategies

2. Outcome Type : Change in Action Outcome Measure

2009 :60	2010 : 70	2011 : 75	2012 85	2013 :85
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #3**1. Outcome Target**

Adopt appropriate handling and storage technologies

2. Outcome Type : Change in Action Outcome Measure

2009 25	2010 : 25	2011 : 25	2012 25	2013 :25
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #4**1. Outcome Target**

Adopt appropriate management strategies

2. Outcome Type : Change in Action Outcome Measure

2009 :810	2010 : 620	2011 : 820	2012 640	2013 :640
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #5**1. Outcome Target**

Adopt appropriate pest management practices

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #6**1. Outcome Target**

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure**2009** 35**2010** : 35**2011** : 25**2012** 35**2013** :35**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #7**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009** 470**2010** : 275**2011** : 475**2012** 275**2013** :275**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water

- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #8**1. Outcome Target**

Adopt environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure

2009 :45 **2010** : 45 **2011** : 45 **2012** :45 **2013** :45

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

Outcome #9**1. Outcome Target**

Adopt new crop

2. Outcome Type : Change in Action Outcome Measure

2009 :60 **2010** : 60 **2011** : 60 **2012** : 60 **2013** :60

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #10**1. Outcome Target**

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure

2009 :985 **2010** : 985 **2011** : 985 **2012** : 985 **2013** :985

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 205 - Plant Management Systems

Outcome #11**1. Outcome Target**

Adopt practices that maintain profitability

2. Outcome Type : Change in Action Outcome Measure

2009 905	2010 : 905	2011 : 905	2012 905	2013 :905
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #12**1. Outcome Target**

Develop environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure

2009 230	2010 : 230	2011 : 230	2012 230	2013 :230
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

Outcome #13**1. Outcome Target**

Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

2. Outcome Type : Change in Action Outcome Measure

2009 55	2010 : 60	2011 : 55	2012 55	2013 :55
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

Outcome #14**1. Outcome Target**

Evaluate new cropping systems

2. Outcome Type : Change in Action Outcome Measure**2009** :55**2010** : 55**2011** : 60**2012** :60**2013** :60**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #15**1. Outcome Target**

Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

2. Outcome Type : Change in Action Outcome Measure**2009** :63**2010** : 73**2011** : 73**2012** :73**2013** :73**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #16**1. Outcome Target**

Grow new crop

2. Outcome Type : Change in Action Outcome Measure**2009** :45**2010** : 45**2011** : 45**2012** :45**2013** :45**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #17**1. Outcome Target**

Grow new variety

2. Outcome Type : Change in Action Outcome Measure**2009** :114**2010** : 114**2011** : 104**2012** :103**2013** :103**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #18**1. Outcome Target**

Improve Integrated Pest Management

2. Outcome Type : Change in Action Outcome Measure**2009** :500**2010** : 500**2011** : 500**2012** :500**2013** :500**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #19**1. Outcome Target**

Improve crop quality and marketability

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 40**2011** : 40**2012** :40**2013** :40**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #20**1. Outcome Target**

Improve production and quality of crops

2. Outcome Type : Change in Action Outcome Measure**2009** :105**2010** : 110**2011** : 115**2012** :125**2013** :125**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #21**1. Outcome Target**

Improve soil health

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** : 30**2011** : 30**2012** :30**2013** :30**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships

Outcome #22**1. Outcome Target**

Maintain Certified Crop Advisor Certification

2. Outcome Type : Change in Action Outcome Measure**2009 :**70**2010 :**70**2011 :**60**2012 :**60**2013 :**60**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #23**1. Outcome Target**

Maintain nutrient management certification

2. Outcome Type : Change in Action Outcome Measure**2009 :**60**2010 :**60**2011 :**60**2012 :**60**2013 :**60**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

Outcome #24**1. Outcome Target**

Maintain pesticide applicator certification

2. Outcome Type : Change in Action Outcome Measure**2009 :**85**2010 :**85**2011 :**85**2012 :**85**2013 :**85**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #25**1. Outcome Target**

Make appropriate cultivar choices

2. Outcome Type : Change in Action Outcome Measure**2009 :**60**2010 :**60**2011 :**60**2012 :**60**2013 :**60**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources and Biodiversity

Outcome #26**1. Outcome Target**

Make better decisions regarding pest management

2. Outcome Type : Change in Action Outcome Measure**2009 :**1215**2010 :** 1215**2011 :** 1215**2012 :**1215**2013 :**1215**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #27**1. Outcome Target**

Participate in the Maine grass farmer network

2. Outcome Type : Change in Action Outcome Measure**2009 :**130**2010 :** 150**2011 :** 150**2012 :**150**2013 :**150**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 131 - Alternative Uses of Land

Outcome #28**1. Outcome Target**

Test new crops

2. Outcome Type : Change in Action Outcome Measure**2009 :**50**2010 :** 50**2011 :** 50**2012 :** 50**2013 :**50**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems

Outcome #29**1. Outcome Target**

Test new production techniques

2. Outcome Type : Change in Action Outcome Measure**2009 :**120**2010 :** 129**2011 :** 129**2012 :**129**2013 :**129**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #30**1. Outcome Target**

Test new varieties

2. Outcome Type : Change in Action Outcome Measure**2009** :42**2010** : 42**2011** : 42**2012** :42**2013** :42**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems

Outcome #31**1. Outcome Target**

Use relevant UMaine Extension web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** :5770**2010** : 5770**2011** : 5770**2012** :5770**2013** :5770**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #32**1. Outcome Target**

Grow trialed plants

2. Outcome Type : Change in Knowledge Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems

Outcome #33**1. Outcome Target**

Increase crop production

2. Outcome Type : Change in Knowledge Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #34**1. Outcome Target**

Reduce the use of high-risk pesticides

2. Outcome Type : Change in Knowledge Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #35**1. Outcome Target**

Test new storage techniques

2. Outcome Type : Change in Knowledge Outcome Measure**2009** 2**2010** : 2**2011** : 2**2012** 2**2013** :2**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 405 - Drainage and Irrigation Systems and Facilities

Outcome #36**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water

- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #37**1. Outcome Target**

Enhance the safety, sustainability and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #38**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems

- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #39**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources and Biodiversity
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #40**1. Outcome Target**

Acquire pesticide applicator certification

2. Outcome Type : Change in Action Outcome Measure

2009 0	2010 : 20	2011 : 0	2012 20	2013 :20
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals

Outcome #41**1. Outcome Target**

Adopt appropriate nutrient management strategies

2. Outcome Type : Change in Action Outcome Measure

2009 30	2010 : 30	2011 : 30	2012 30	2013 :30
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources

- 102 - Soil, Plant, Water, Nutrient Relationships
- 205 - Plant Management Systems

Outcome #42**1. Outcome Target**

Create jobs

2. Outcome Type : Change in Knowledge Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land

Outcome #43**1. Outcome Target**

Develop sustainable networks

2. Outcome Type : Change in Action Outcome Measure**2009** 90**2010** : 100**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #44**1. Outcome Target**

Dollars saved

2. Outcome Type : Change in Action Outcome Measure**2009** 5000**2010** : 5000**2011** : 8000**2012** :10000**2013** :10000**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals

Outcome #45**1. Outcome Target**

Enroll in and work with Farms for the Future

2. Outcome Type : Change in Action Outcome Measure

2009 :15

2010 : 15

2011 : 15

2012 :15

2013 :15

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

Outcome #46**1. Outcome Target**

Expand Integrated Pest Management

2. Outcome Type : Change in Action Outcome Measure

2009 :220

2010 : 220

2011 : 220

2012 :220

2013 :220

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals

Outcome #47**1. Outcome Target**

Expand and enhance markets

2. Outcome Type : Change in Action Outcome Measure

2009 :40

2010 : 40

2011 : 40

2012 :40

2013 :40

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

Outcome #48**1. Outcome Target**

Increase consumption of locally produced foods

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 40**2011** : 40**2012** :40**2013** :40**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

Outcome #49**1. Outcome Target**

Increase purchase of Maine products

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems

Outcome #50**1. Outcome Target**

Operate equipment safely

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #51**1. Outcome Target**

Use grasslands efficiently for feed and water quality protection

2. Outcome Type : Change in Action Outcome Measure**2009** :80**2010** : 80**2011** : 80**2012** : 80**2013** :80**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 205 - Plant Management Systems

Outcome #52**1. Outcome Target**

Use new technologies

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 50**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land
- 205 - Plant Management Systems
- 405 - Drainage and Irrigation Systems and Facilities

Outcome #53**1. Outcome Target**

Use pesticides safely

2. Outcome Type : Change in Action Outcome Measure**2009** 8**2010** : 12**2011** : 16**2012** 20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Appropriations changes
- Competing Public priorities
- Economy
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programmatic Challenges
- Public Policy changes
- Government Regulations
- Natural Disasters (drought,weather extremes,etc.)

Description**V(K). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- During (during program)
- Before-After (before and after program)

Description

Intentions for short-term evaluation: written evaluation surveys will be circulated to program participants and newsletter recipients.

Intentions For Medium-Term and Long-Term Evaluation: a written evaluation survey will be circulated to program participants and newsletter recipients. In addition, the program will be evaluated by the Maine Potato Board as well as the UMaine Extension Potato Advisory Group.

2. Data Collection Methods

- On-Site
- Structured
- Other (Email/Web surveys)

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #3****1. Name of the Planned Program**

Coastal and Marine

2. Brief summary about Planned Program

Fishing, marine aquaculture, and tourism are vital to Maine's economy. Changing development patterns are causing habitat loss, fragmentation, and degradation that are affecting the viability of Maine's coastal communities and ecosystems. These issues will be addressed through volunteer education and monitoring programs, collaborative fisheries management systems, marine fisheries, aquaculture, and ecosystem education programs, and planning initiatives focused on sustainable coastal communities.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management	25%		25%	
134	Outdoor Recreation	15%		15%	
135	Aquatic and Terrestrial Wildlife	13%		13%	
307	Animal Production Management Systems	12%		12%	
608	Community Resource Planning and Development	35%		35%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Maine's seafood industry provides 26,000 direct and indirect jobs and brings \$860 million into the state economy.[i] Lobsters dominate the commercial fishery, with over 5,000 licenses and landings of over 50 million pounds worth more than \$150 million. [ii] The state has approximately 600 ground fish permits, mostly in the Portland area, with landings of over \$23 million.

Marine commercial and recreational aquaculture operations cultivate shellfish—including mussels, clams, bay scallops and

oysters—and finfish, primarily Atlantic salmon. Hatcheries and salmon farms account for most of the value generated by aquaculture products in Maine. Salmon aquaculture peaked at \$80 million in 2000 and declined to less than \$15 million in 2003.

Throughout coastal Maine, traditional working waterfronts based on marine resources infrastructure and industry are being forced to make way for a new waterfront economy in which water-dependent businesses (schooners, kayakers, whale watchers, etc.) compete for waterfront access with traditional industries (lobster wharfs, boat building and other marine trades).

[i] Northeast Fisheries Science Center, Commercial Fisheries and Mariculture Revenues for Northeast States, 1999 (July 5, 2000), www.nefsc.nmfs.gov/press_releases/news00.16.html (accessed August 2004).

[ii] Maine Department of Marine Resources, Statistics Division, Commercial Fisheries Landings, <http://www.maine.gov/dmr.commercialfishing/2002landingsbyvalue.htm> (accessed August 2004).

2. Scope of the Program

- Multistate Extension
- Multistate Integrated Research and Extension
- In-State Extension
- Integrated Research and Extension
- In-State Research

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Maine's coastal communities under pressure are faced with potential economic losses, including lowered income or lost jobs for coastal fishing families. Fishing not only provides income for families, but also is a traditional way of life. Maine residents may lose the ability to harvest Gulf of Maine resources and participate in resource management. A growing segment of the emerging coastal economy are in the service sector and are often seasonal, offering lower pay and reduced or absent health benefits. Many fear the "hollowing out"[i] of coastal communities, in which retirees and second homeowners replace working people as the character of coastal communities shifts from a fishing culture toward a suburban and tourism-based lifestyle. These changes can cause local conflicts that divide communities trying to balance economic development with public resource protection.

The integrity of Maine's coast is threatened by habitat loss, fragmentation and degradation, often as the result of changing development patterns. Ecosystem health (including deteriorating water quality, the prevalence of invasive species, and climate change) has a direct impact on the communities supported by both the fishing and tourism industries. Ultimately, human health and quality of life are compromised by failure to control pollution or monitor environmental conditions.

[i] John Ryan, Mount Desert Island Housing Trust Action Plan, (February, 2004).

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Increase the economic and social viability and sustainability of Maine communities. •Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	2.5	0.0	0.3	0.0
2010	2.5	0.0	0.3	0.0
2011	2.5	0.0	0.3	0.0
2012	2.5	0.0	0.3	0.0
2013	2.5	0.0	0.3	0.0

V(F). Planned Program (Activity)**1. Activity for the Program**

•Applied Research in Fisheries and Aquaculture •Assessment of Marine Invasive Species •Beach Profile Monitoring Program •Coastal Access Forums •Cobscook Bay Fishermen's Association •Interactive, Collaborative Fisheries Management Workshops •Academic Assessment with the Georges River Case Study •Education/Outreach •Maine Beaches Conference •Maine Scallop Advisory Council •Maine Healthy Beaches Program consultation •Maine Healthy Beaches Program field training •Maine Healthy Beaches Program presentations/forum •Maine Healthy Beaches Program Website •Northeast Farmed Fish Health Management workshop •Porphyra Culture Demonstration Project •Washington County Community College Waterfront Management Committee •Working in Classrooms

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> • One-on-One Intervention • Workshop • Demonstrations • Other 1 (Applied Research) • Education Class • Other 2 (Collaborative or Cooperative Eff) 	<ul style="list-style-type: none"> • Other 1 (Applied Research) • Other 2 (Publication - fact sheet) • Web sites

3. Description of targeted audience

•Agency Staff or Professionals (Adult) •Coalition Members (Adult) •Commercial Fishing Industry Members (Adult)
 •Commercial Aquaculturalists (Adult) •Commercial Fishing Industry Organization Members (Adult) •Community Leaders (Adult)
 •Community Members (Adult) •General Public (Adult) •Municipal Officials (Adult) •Policy Makers (Adult)
 •Veterinarians (Adult) •Volunteers (Adult) •Students (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	1100	50250	480	0
2010	1100	50250	480	0
2011	1100	50250	480	0
2012	1100	50250	480	0
2013	1100	50250	480	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

● Direct - Applied Research

2009 2 **2010** 1 **2011** :1 **2012** :1 **2013** :1

● Direct - Collaborative or Cooperative Effort

2009 5 **2010** 5 **2011** :5 **2012** 5 **2013** 5

● Direct - Conference or symposium

2009 0 **2010** 1 **2011** :0 **2012** :1 **2013** 0

● Direct - Consultation; phone, written, in-person

2009 :100 **2010** :100 **2011** :100 **2012** :100 **2013** :100

● Direct - Experiential Learning

2009 :15 **2010** 25 **2011** :25 **2012** 25 **2013** 25

● Direct - Public Presentation

2009 :13 **2010** :13 **2011** :13 **2012** :13 **2013** :13

● Direct - Volunteer Training

2009 65 **2010** 65 **2011** :45 **2012** 55 **2013** 55

● Direct - Workshop - single session

2009 4 **2010** 4 **2011** :4 **2012** 4 **2013** 4

● Indirect - Applied Research

2009 :1 **2010** 1 **2011** :1 **2012** :1 **2013** :1

● Indirect - Publication - fact sheet

2009 2 **2010** 2 **2011** :2 **2012** 2 **2013** 2

● Indirect - Website

2009 :1 **2010** 1 **2011** :1 **2012** :1 **2013** :1

V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt appropriate practices
2	Adopt practices that maintain long-term productivity
3	Conduct community service or outreach
4	Create and sustain effective partnerships and collaborations
5	Identify and remediate pollution sources
6	Increase levels of community participation and decision making
7	Make better decision regarding natural resource management
8	Make better decisions using science and technology skills
9	Promote community responsibility and action
10	Promote municipal responsibility and action
11	Promote personal responsibility and action
12	Use relevant UMCE web-based resources
13	Develop environmentally sound technologies and practices
14	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
15	Enhance the safety, sustainability and dependability of Maine's food supply.
16	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
17	Protect and enhance Maine's natural resources and environment through sustainable.
18	Assess community needs
19	Collect information and communicate results
20	Design projects or experiments to answer questions

Outcome #1**1. Outcome Target**

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure**2009** :150**2010** : 150**2011** : 150**2012** :150**2013** :150**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems
- 608 - Community Resource Planning and Development

Outcome #2**1. Outcome Target**

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure**2009** :60**2010** : 60**2011** : 60**2012** : 60**2013** :60**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems

Outcome #3**1. Outcome Target**

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure**2009** :12**2010** : 12**2011** : 12**2012** :12**2013** :12**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #4**1. Outcome Target**

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure**2009** :20**2010** : 20**2011** : 20**2012** :20**2013** :20**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #5**1. Outcome Target**

Identify and remediate pollution sources

2. Outcome Type : Change in Action Outcome Measure**2009** :20**2010** : 20**2011** : 20**2012** :20**2013** :20**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

Outcome #6**1. Outcome Target**

Increase levels of community participation and decision making

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 40**2011** : 40**2012** :40**2013** :40**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #7**1. Outcome Target**

Make better decision regarding natural resource management

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems

Outcome #8**1. Outcome Target**

Make better decisions using science and technology skills

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 60**2012** 70**2013** :70**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems

Outcome #9**1. Outcome Target**

Promote community responsibility and action

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 30**2011** : 35**2012** 40**2013** :45**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #10**1. Outcome Target**

Promote municipal responsibility and action

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 30**2011** : 35**2012** 40**2013** :45**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #11**1. Outcome Target**

Promote personal responsibility and action

2. Outcome Type : Change in Action Outcome Measure**2009** 70**2010** : 80**2011** : 90**2012** :100**2013** :110**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #12**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 250**2011** : 350**2012** :450**2013** :450**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems
- 608 - Community Resource Planning and Development

Outcome #13**1. Outcome Target**

Develop environmentally sound technologies and practices

2. Outcome Type : Change in Knowledge Outcome Measure**2009** :5**2010** : 5**2011** : 5**2012** :5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems
- 608 - Community Resource Planning and Development

Outcome #14**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure**2009** :0**2010** : 0**2011** : 0**2012** :0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems

- 608 - Community Resource Planning and Development

Outcome #15

1. Outcome Target

Enhance the safety, sustainability and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems
- 608 - Community Resource Planning and Development

Outcome #16

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems
- 608 - Community Resource Planning and Development

Outcome #17

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Production Management Systems
- 608 - Community Resource Planning and Development

Outcome #18**1. Outcome Target**

Assess community needs

2. Outcome Type : Change in Knowledge Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #19**1. Outcome Target**

Collect information and communicate results

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 350**2011** : 450**2012** :450**2013** :450**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 608 - Community Resource Planning and Development

Outcome #20**1. Outcome Target**

Design projects or experiments to answer questions

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 150**2011** : 200**2012** :250**2013** :250**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 608 - Community Resource Planning and Development

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Government Regulations
- Economy
- Natural Disasters (drought,weather extremes,etc.)
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programmatic Challenges
- Competing Public priorities
- Appropriations changes
- Public Policy changes

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Retrospective (post program)
- Time series (multiple points before and after program)
- Before-After (before and after program)

Description

Intentions for short-term evaluation: Pre- and post-program evaluations will be conducted as appropriate. We will track the use of web resources and requests for publications. We will survey marine aquaculture stakeholder groups to document success in collaborative research and education.

Intentions for medium-term evaluation: Follow up survey of program participants will be conducted as appropriate to assess how knowledge/skills gained are being applied. Evaluate behavior changes such as production practices and policies for marine aquaculture resulting from our efforts in collaborative research and education.

Intentions for long-term evaluation: Follow up community-level survey to asses progress made in relation to goals set, such as protecting and enhancing natural resources and environment through sustainable stewardship. Evaluate beneficial changes to the economic and environmental sustainability of marine aquaculture resulting from UMaine Extension's efforts in collaborative research and education.

2. Data Collection Methods

- Structured
- Other (Email/Web surveys)
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #4****1. Name of the Planned Program**

Entrepreneurship - Small and Home Based Business

2. Brief summary about Planned Program

Small businesses are an important sector of Maine's economy, and approximately 25 percent of new small businesses in Maine are home-based. Business and financial planning and management skills, computer skills, product and value-added development, and marketing skills are essential to the success of new and established small businesses. Workshops, clinics, consultations, conferences, and websites provide access to information and a means to develop and refine skills that are applied at all stages of new business development and current business enhancement.

3. Program existence : Mature (More than five years)**4. Program duration :** Long-Term (More than five years)**5. Expending formula funds or state-matching funds :** Yes**6. Expending other than formula funds or state-matching funds :** Yes**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
134	Outdoor Recreation	2%		2%	
504	Home and Commercial Food Service	2%		2%	
602	Business Management, Finance, and Taxation	80%		80%	
604	Marketing and Distribution Practices	7%		7%	
607	Consumer Economics	2%		2%	
608	Community Resource Planning and Development	5%		5%	
801	Individual and Family Resource Management	2%		2%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

A 2003 statewide poll of Maine residents, conducted by Market Decisions of South Portland, found the economy, specifically jobs, to be a top concern.[i]

Maine's economic outlook calls for continued steady slow economic growth, with southern and coastal areas of the state outperforming the rest of the state in the years ahead. Most of the new jobs in Maine are expected to come from the services and retail trade sectors concentrated in the southern and coastal regions. The outlook for the manufacturing sector calls for continued employment losses as traditional natural-resource-based industries in Maine continue to erode and decline. Between 2001 and 2002, Maine lost 9,700 manufacturing jobs, representing 11.2 percent of all our manufacturing jobs.[ii] In northern Maine, hundreds of workers have recently lost high paying jobs as a result of the bankruptcies of Great Northern Paper Company in Millinocket, Eastern Fine Paper Company in Brewer, and Lincoln Pulp and Paper Company in Lincoln.

The top priority of Maine's Governor and the Department of Economic and Community Development is to increase economic opportunities. Small business development and entrepreneurship play an important role in the state's current economic development strategy. Maine's economic future is dependent on the successful start-up, continuation and expansion of small businesses. There are about 140,000 small businesses in Maine. [iii] About 90 percent of them employ five or fewer employees, accounting for about 20 percent of the labor force. [iv] Many of these businesses are home-based and located in the rural areas of the state. Together, these small businesses contribute significantly to the employment base in Maine.

Successful start-up of small businesses has played a very important role in Maine's employment growth during the 1990s and early 2000s and is expected to continue through the next decade. About 25 percent of these start-ups are home-based. They include every economic sector, from food processing to home childcare. It is estimated that two out of every three new jobs will be created by small businesses employing fewer than five people. [v] Many of these businesses are expected to be home-based or micro-enterprises that produce value-added products from Maine's natural resources. Small and home-based businesses represent entrepreneurial strength, diversity and durability, which contribute to the economic vitality of the state.

[i] Market Decisions. Mainer's View of Economy Continues to Improve - Rising Faster than National Indices. South Portland, ME, 2003. <http://www.marketdecisions.com/index2.htm> (accessed September 2004).

[ii] Maine Department of Labor, Labor Market Information Services. <http://www.maine.gov/labor/lmis/> (accessed September 2004).

[iii] James C. McConnon. "Maine Microenterprises and Employment Levels by County, 2001." Working paper, University of Maine Cooperative Extension, Orono, Maine, 2003. <http://www.umext.maine.edu/topics/county2001.pdf> (accessed July 2004).

[iv] Ibid

[v] Maine Department of Economic and Community Development, in cooperation with the Kauffman Foundation. Promoting and Sustaining an Entrepreneurship-Based Economy in Maine. <http://www.state.me.us/decd/decdweb/OBDapril262003.htm> (accessed July 2004).

2. Scope of the Program

- Multistate Integrated Research and Extension
- Multistate Extension
- In-State Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

A growing number of Maine residents are considering starting a small business as a way of securing and sustaining a livable wage. There are also many established small businesses that have great potential to expand into new markets. Unfortunately, those interested in starting or expanding their own business are often unaware of the resources available to help them, and many lack the business management skills necessary to successfully evaluate potential business viability, and start and grow a small business. Many also lack the kinds of computer skills that, among other things, can offer access to much broader markets. Extension will collaborate with others to determine the most responsive and effective ways to market our resources and provide practical educational delivery methods and services.

2. Ultimate goal(s) of this Program

- Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2009	5.0	0.0	0.5	0.0
2010	5.0	0.0	0.5	0.0
2011	5.0	0.0	0.5	0.0
2012	5.0	0.0	0.5	0.0
2013	4.6	0.0	0.5	0.0

V(F). Planned Program (Activity)**1. Activity for the Program**

•Consultations - Small and Home Based Business •Doing Business Radio Show •Eastern Maine Regional Business Regional Conference •Governor's Regional Conferences on Small Business & Entrepreneurship •National Home-Based and Micro Business Design Team •Small and Home Based Business Education Clinic •Small and Home Based Business Workshop Series •Small Business Related (publication) •Small Business Related (refereed journal article) •Tourism Economic Development: Inter-Organizational Consultation •Tourism Economic Development - Community and Business Modules •Tourism Economic Development: Information System •Trade Area Analysis Program •Virtual Resource Library

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● One-on-One Intervention ● Demonstrations ● Workshop ● Group Discussion ● Other 1 (Collaborative or Cooperative Eff) ● Other 2 (Trade Area Analyses) 	<ul style="list-style-type: none"> ● Web sites ● Other 1 (Publication)

3. Description of targeted audience

•Business Owners - current (Adult) •Business Owners - potential (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Small or Home-Based Business Owners - Current (Adult) •Small or Home-Based Business Owners - Potential (Adult) •Tourism Development Stakeholders (Adult)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	2200	2200	0	0
2010	2200	2300	0	0
2011	2200	2400	0	0
2012	2200	2500	0	0
2013	2200	2500	0	0

2. (Standard Research Target) Number of Patent Applications Submitted

Expected Patent Applications

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Conference or symposium; Planning and/or participation

2009 2 2010 2 2011 :2 2012 2 2013 2

- Direct - Consultation; phone, written, in-person

2009 281 2010 281 2011 :281 2012 281 2013 281

- Direct - Group Presentation

2009 :10 2010 :10 2011 :10 2012 :10 2013 :10

- Direct - Trade Area Analyses

2009 5 2010 5 2011 :5 2012 5 2013 5

- Direct - Train-the-Trainer

2009 :1 2010 :1 2011 :1 2012 :1 2013 :1

- Direct - Workshop - series

2009 :10 2010 :10 2011 :10 2012 :10 2013 :10

● Direct - Workshop - single session

2009	32	2010	26	2011	26	2012	26	2013	26
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● Indirect - Website

2009	1	2010	1	2011	1	2012	1	2013	1
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● Indirect - Radio Program

2009	0	2010	12	2011	12	2012	0	2013	0
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V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt business management practices
2	Adopt record-keeping system
3	Conduct educational activities through cooperative or collaborative effort
4	Design and implement small business conference
5	Develop a business plan
6	Develop a financial plan
7	Develop a marketing plan
8	Develop a pricing strategy
9	Develop customer service plan
10	Develop marketing tools
11	Establish a business
12	Participate in networking opportunities
13	Use relevant UMaine Extension web-based resources
14	Decide not to create non-viable business
15	Develop tourism plan
16	Expand a business
17	Form collaborative group
18	Increase business revenues
19	Inventory community assets
20	Retain a business
21	Transition a business to closure
22	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
23	Enhance the safety, sustainability and dependability of Maine's food supply.
24	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
25	Protect and enhance Maine's natural resources and environment through sustainable.
26	Adopt tourism plan
27	Create jobs
28	Develop community resources

Outcome #1**1. Outcome Target**

Adopt business management practices

2. Outcome Type : Change in Action Outcome Measure**2009** :185**2010** : 185**2011** : 185**2012** :185**2013** :185**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

Outcome #2**1. Outcome Target**

Adopt record-keeping system

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 60**2011** : 60**2012** : 60**2013** :60**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 801 - Individual and Family Resource Management

Outcome #3**1. Outcome Target**

Conduct educational activities through cooperative or collaborative effort

2. Outcome Type : Change in Action Outcome Measure**2009** : 22**2010** : 22**2011** : 22**2012** : 22**2013** :22**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

Outcome #4**1. Outcome Target**

Design and implement small business conference

2. Outcome Type : Change in Action Outcome Measure

2009 :4	2010 :3	2011 :3	2012 3	2013 :3
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

Outcome #5**1. Outcome Target**

Develop a business plan

2. Outcome Type : Change in Action Outcome Measure

2009 80	2010 :110	2011 :110	2012 90	2013 :90
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

Outcome #6**1. Outcome Target**

Develop a financial plan

2. Outcome Type : Change in Action Outcome Measure

2009 :18	2010 :40	2011 :40	2012 40	2013 :40
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

Outcome #7**1. Outcome Target**

Develop a marketing plan

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 40**2011** : 40**2012** :40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

Outcome #8**1. Outcome Target**

Develop a pricing strategy

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** : 30**2011** : 30**2012** :30**2013** :30**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

Outcome #9**1. Outcome Target**

Develop customer service plan

2. Outcome Type : Change in Action Outcome Measure**2009** :38**2010** : 55**2011** : 55**2012** : 55**2013** :55**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation

- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

Outcome #10**1. Outcome Target**

Develop marketing tools

2. Outcome Type : Change in Action Outcome Measure

2009 28	2010 : 60	2011 : 60	2012 60	2013 :60
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development

Outcome #11**1. Outcome Target**

Establish a business

2. Outcome Type : Change in Action Outcome Measure

2009 68	2010 : 80	2011 : 80	2012 80	2013 :80
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation

Outcome #12**1. Outcome Target**

Participate in networking opportunities

2. Outcome Type : Change in Action Outcome Measure

2009 350	2010 : 350	2011 : 350	2012 2600	2013 :2600
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service

- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices

Outcome #13**1. Outcome Target**

Use relevant UMaine Extension web-based resources

2. Outcome Type : Change in Action Outcome Measure

2009 550 **2010** : 600 **2011** : 600 **2012** 600 **2013** :600

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management

Outcome #14**1. Outcome Target**

Decide not to create non-viable business

2. Outcome Type : Change in Action Outcome Measure

2009 5 **2010** : 5 **2011** : 5 **2012** 5 **2013** :5

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

Outcome #15**1. Outcome Target**

Develop tourism plan

2. Outcome Type : Change in Action Outcome Measure

2009 8 **2010** : 10 **2011** : 10 **2012** :10 **2013** :10

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 608 - Community Resource Planning and Development

Outcome #16**1. Outcome Target**

Expand a business

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 25**2011** : 25**2012** 25**2013** :25**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 602 - Business Management, Finance, and Taxation

Outcome #17**1. Outcome Target**

Form collaborative group

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 604 - Marketing and Distribution Practices
- 608 - Community Resource Planning and Development

Outcome #18**1. Outcome Target**

Increase business revenues

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 604 - Marketing and Distribution Practices

Outcome #19**1. Outcome Target**

Inventory community assets

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #20**1. Outcome Target**

Retain a business

2. Outcome Type : Change in Action Outcome Measure

2009 :10

2010 : 10

2011 : 10

2012 :10

2013 :10

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

Outcome #21**1. Outcome Target**

Transition a business to closure

2. Outcome Type : Change in Action Outcome Measure

2009 2

2010 : 2

2011 : 2

2012 2

2013 :2

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

Outcome #22**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2009 0

2010 : 0

2011 : 0

2012 0

2013 :0

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management

Outcome #23**1. Outcome Target**

Enhance the safety, sustainability and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 801 - Individual and Family Resource Management

Outcome #24**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management

Outcome #25**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service

- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management

Outcome #26**1. Outcome Target**

Adopt tourism plan

2. Outcome Type : Change in Action Outcome Measure

2009 :3	2010 : 5	2011 : 5	2012 : 5	2013 :5
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 608 - Community Resource Planning and Development

Outcome #27**1. Outcome Target**

Create jobs

2. Outcome Type : Change in Knowledge Outcome Measure

2009 :85	2010 : 85	2011 : 85	2012 : 85	2013 :85
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development

Outcome #28**1. Outcome Target**

Develop community resources

2. Outcome Type : Change in Knowledge Outcome Measure

2009 :3	2010 : 5	2011 : 5	2012 : 5	2013 :5
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Government Regulations
- Economy
- Public Policy changes
- Appropriations changes
- Competing Programmatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Public priorities

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)

Description

Intentions for short-term evaluation: An end-of-program evaluation will be administered to assess initial knowledge and skill changes and establish a baseline of planned practice changes. Quantitative and qualitative methods may be used to assess program impacts.

Intentions for medium-term evaluation: Approximately six-months after each program, an evaluation will be conducted to assess medium-term knowledge, skill, and practice changes and measure initial program impacts. Quantitative and qualitative methods may be used to assess program impacts.

Intentions for long-term evaluation: Approximately one-year after each program, an evaluation will be conducted to assess long-term knowledge, skill and practice changes and to measure program impacts. Quantitative and qualitative methods may be used to assess program impacts.

2. Data Collection Methods

- Other (Email/Web surveys)
- Structured
- Mail

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #5****1. Name of the Planned Program**

Agriculture - Sustainable Business Management

2. Brief summary about Planned Program

The educational needs of Maine farmers in sustainable business management skills are as varied as the farms themselves. Workshops, consultations, publications, and websites will address the need for skills in human resource management, product tracking technology, waste and nutrient management, worker protection standards, financial management, crop insurance, and estate planning, among other topics. Small and part-time farmers will learn basic business management skills such as business plan development, customer service, pricing, merchandising and marketing, and methods of maximizing product value.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
601	Economics of Agricultural Production and Farm Management	60%		60%	
602	Business Management, Finance, and Taxation	40%		40%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

The current population of full-time farmers in Maine is aging, with an average age of 54. New farmers often require off-farm income to survive. The size of the average farm is increasing, but the overall number of farms continues to decline. Even so, in terms of acreage, while large farms are getting larger, the number of very small, diverse farm enterprises is growing. Maine has seen a growing number of women entering farming. In 2002, Maine had 7,196 farms, with close to 1.4 million acres of farmland. [i]This is about 7 percent of the state's land base.[ii] The majority of these farms are classified as small farms. The number of farms with yearly sales over \$100,000 was 679. Ninety-five percent of Maine farms fit the USDA definition of a "small farm," with annual sales under \$250,000.[iii]

The need for those in agriculture to practice effective business management skills is critical for the sustainability of this industry, which provides employment for more than 65,000 Maine people and contributes over \$1.2 billion to the Maine economy.[iv]

The educational needs of Maine farmers in sustainable business management skills are as varied as the diverse enterprises that make up this industry. As farms become larger, operators have to learn new skills in human resource management, product tracking technology, waste/nutrient management, worker protection standards, financial management and other issues. Small and part-time farmers often need to learn basic business management skills such as business plan development, customer service, pricing, merchandising and marketing, and methods of maximizing product value.

[i] USDA National Agricultural Statistics Service, 2002 Census of Agriculture (June 2004), <http://www.nass.usda.gov/census/>.
Census of Agriculture (June 2004), <http://www.nass.usda.gov/census/>.

2. Scope of the Program

- Multistate Extension
- Multistate Integrated Research and Extension
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Sustainable business management practices are essential for the survival of commercial agriculture in Maine. The wise use of economic, natural and human resources in an agricultural enterprise is required to keep farming profitable for the present and the future. Maine's farmers have long regarded themselves as stewards of the land and water resources of our state. In recent years, competing interests for land, water, and labor have presented serious challenges to many agricultural producers.

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Enhance the safety, sustainability, and dependability of Maine's food supply. •Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	3.3	0.0	0.2	0.0
2010	3.2	0.0	0.2	0.0
2011	3.3	0.0	0.2	0.0
2012	3.2	0.0	0.2	0.0
2013	3.2	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•Agriculture Business Related (publication) •Agriculture Business Related (refereed journal article) •Consultations - Agriculture Business Management •Cost of Production Dairy Farms and Forage Crops •Crop Insurance Education - AV Resource •Crop Insurance Education - Conference •Crop Insurance Education - Display (Direct) •Crop Insurance Education - Public Presentation •Crop Insurance Education - Publication •Crop Insurance Education - Radio Program •Crop Insurance Education - Television Segment •Crop Insurance Education - Train the Trainer •Crop Insurance Education - Website •Crop Insurance Education Display (Indirect) •Developing And Implementing An Estate Plan To Preserve Wealth •Farms for the Future •Meetings on Agriculture Business Management

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● One-on-One Intervention ● Other 2 (Collaborative or Cooperative Eff) ● Group Discussion ● Demonstrations ● Other 1 (Conference or symposium) ● Workshop 	<ul style="list-style-type: none"> ● Other 2 (Radio Program) ● Newsletters ● Web sites ● TV Media Programs ● Other 1 (Applied Research)

3. Description of targeted audience

•Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Extension - all staff (Adult) •Farmers (Adult)
 •Forestland Managers (Adult)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	3100	90900	0	0
2010	3100	90900	0	0
2011	3100	90900	0	0
2012	3100	90900	0	0
2013	3100	90900	0	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - Conference or symposium; Planning and/or participation

2009 50	2010 50	2011 :50	2012 40	2013 40
● Direct - Consultation; phone, written, in-person				
2009 50	2010 50	2011 :50	2012 50	2013 50
● Direct - Display or exhibit				
2009 8	2010 8	2011 :8	2012 8	2013 8
● Direct - Group Presentation				
2009 2	2010 1	2011 :2	2012 1	2013 1
● Direct - Public Presentation				
2009 :12	2010 :12	2011 :12	2012 :12	2013 :12
● Direct - Workshop - single session				
2009 2	2010 2	2011 :2	2012 2	2013 2
● Indirect - Applied Research				
2009 1	2010 1	2011 :1	2012 1	2013 1
● Indirect - Publication				
2009 40	2010 40	2011 :40	2012 40	2013 40
● Indirect - Publication - newsletter				
2009 :12	2010 :12	2011 :12	2012 :12	2013 :12
● Indirect - Radio Program				
2009 2	2010 2	2011 :2	2012 2	2013 2
● Indirect - Television Segment				
2009 4	2010 4	2011 :4	2012 4	2013 4
● Indirect - Website				
2009 1	2010 1	2011 :1	2012 1	2013 1
● Direct - Collaborative or Cooperative Effort				
2009 4	2010 4	2011 :4	2012 4	2013 4

V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt appropriate management strategies
2	Develop a business plan
3	Develop a financial plan
4	Develop an estate plan for business enterprise
5	Enroll in and work with Farms for the Future
6	Keep accurate records
7	Make better decisions using accurate records
8	Manage business to achieve profit
9	Secure financing
10	Use relevant UMCE web-based resources
11	Adopt practices that maintain profitability
12	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
13	Enhance the safety, sustainability and dependability of Maine's food supply.
14	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
15	Protect and enhance Maine's natural resources and environment through sustainable.
16	Adopt appropriate technologies
17	Adopt business management practices
18	Adopt environmentally sound technologies that improve economic viability
19	Adopt practices that maintain long-term productivity
20	Create jobs
21	Decide not to create non-viable business
22	Establish a business
23	Increase business revenues

Outcome #1**1. Outcome Target**

Adopt appropriate management strategies

2. Outcome Type : Change in Action Outcome Measure**2009** :75**2010** : 95**2011** : 115**2012** :135**2013** :135**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #2**1. Outcome Target**

Develop a business plan

2. Outcome Type : Change in Action Outcome Measure**2009** :16**2010** : 17**2011** : 18**2012** :19**2013** :19**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #3**1. Outcome Target**

Develop a financial plan

2. Outcome Type : Change in Action Outcome Measure**2009** :55**2010** : 70**2011** : 80**2012** :90**2013** :90**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #4**1. Outcome Target**

Develop an estate plan for business enterprise

2. Outcome Type : Change in Action Outcome Measure**2009** :15**2010** : 15**2011** : 15**2012** :15**2013** :15**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #5**1. Outcome Target**

Enroll in and work with Farms for the Future

2. Outcome Type : Change in Action Outcome Measure**2009** :15**2010** : 15**2011** : 15**2012** :15**2013** :15**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #6**1. Outcome Target**

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure**2009** :65**2010** : 75**2011** : 85**2012** 95**2013** :95**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #7**1. Outcome Target**

Make better decisions using accurate records

2. Outcome Type : Change in Action Outcome Measure**2009** :155**2010** : 165**2011** : 175**2012** :185**2013** :185**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #8**1. Outcome Target**

Manage business to achieve profit

2. Outcome Type : Change in Action Outcome Measure**2009 :**10**2010 :**10**2011 :**10**2012 :**10**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #9**1. Outcome Target**

Secure financing

2. Outcome Type : Change in Action Outcome Measure**2009 :**60**2010 :**70**2011 :**80**2012 :**90**2013 :**90**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #10**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009 :**345**2010 :**345**2011 :**355**2012 :**365**2013 :**365**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #11**1. Outcome Target**

Adopt practices that maintain profitability

2. Outcome Type : Change in Knowledge Outcome Measure**2009 :**20**2010 :**20**2011 :**20**2012 :**20**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #12**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #13**1. Outcome Target**

Enhance the safety, sustainability and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #14**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #15**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure**2009 :**0**2010 :**0**2011 :**0**2012 :**0**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #16**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009 :**10**2010 :**10**2011 :**10**2012 :**10**2013 :**10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #17**1. Outcome Target**

Adopt business management practices

2. Outcome Type : Change in Action Outcome Measure**2009 :**6**2010 :**9**2011 :**12**2012 :**15**2013 :**15**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #18**1. Outcome Target**

Adopt environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure**2009 :**33**2010 :**37**2011 :**41**2012 :**45**2013 :**45**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management

- 602 - Business Management, Finance, and Taxation

Outcome #19**1. Outcome Target**

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure**2009** :150**2010** : 150**2011** : 150**2012** :150**2013** :150**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #20**1. Outcome Target**

Create jobs

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #21**1. Outcome Target**

Decide not to create non-viable business

2. Outcome Type : Change in Action Outcome Measure**2009** :4**2010** : 5**2011** : 6**2012** : 7**2013** :7**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #22**1. Outcome Target**

Establish a business

2. Outcome Type : Change in Action Outcome Measure**2009 :**1**2010 :**2**2011 :**3**2012 :**4**2013 :**4**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #23**1. Outcome Target**

Increase business revenues

2. Outcome Type : Change in Action Outcome Measure**2009 :**20**2010 :**20**2011 :**20**2012 :**20**2013 :**20**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Appropriations changes
- Natural Disasters (drought,weather extremes,etc.)
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Public priorities
- Government Regulations
- Economy
- Public Policy changes

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- Retrospective (post program)
- Time series (multiple points before and after program)
- During (during program)
- Before-After (before and after program)

Description

Intentions for short-term evaluation: field day evaluations, workshop evaluations, statistical counts of new pesticide applicator licenses and pesticide recertification credits, evaluation of bench mark data.

Intentions for medium-term evaluation: end of production year evaluation using surveys.

Intentions for long-term evaluation: evaluate changes in annual agricultural productivity and profitability, and adoption of technology.

2. Data Collection Methods

- Other (Email/Web Surveys)
- On-Site
- Structured

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #6****1. Name of the Planned Program**

Community Development: Capacity-building Skills

2. Brief summary about Planned Program

In all communities, large and small, there is a need for local leadership to deal with complex issues. Members of charitable non-profits and community organizations need to be able to develop skills and access information and technical assistance to inform their decisions. Citizens, both youth and adults, need to engage in building the communities that they want for the future. Workshops, train-the-trainer programs, and coaching sessions will be used to develop facilitation and group process skills that will enhance individual participation and effectiveness in working in groups to make informed decisions and plan for the future of their organizations and communities.

3. Program existence : Mature (More than five years)**4. Program duration :** Long-Term (More than five years)**5. Expending formula funds or state-matching funds :** Yes**6. Expending other than formula funds or state-matching funds :** No**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
608	Community Resource Planning and Development	10%		10%	
802	Human Development and Family Well-Being	35%		35%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	45%		45%	
805	Community Institutions, Health, and Social Services	5%		5%	
901	Program and Project Design, and Statistics	5%		5%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Maine has a population of about 1.25 million people, yet we live in a space that could comfortably hold the other five New England states put together.[i]The majority of Maine's residents live in southern Maine, where coastal property is at a premium and increasingly unaffordable to long-time Maine residents due to escalating property taxes. Southern and mid-coast areas have experienced the greatest in-migration. Our net population is growing slowly. From 2002 to 2010, it is estimated that 3000 to 4000 people will move to Maine "from away." [ii] From within the state, we are moving from north to south, from inland to coastal areas

and from urban to rural areas. Infrastructure costs to support these population shifts (schools, commuter roads, municipal services) and the environmental costs of urban sprawl (water, soil and air quality) are being passed on to state taxpayers.

Maine's population is relatively old, with a median age of 36.9 years.[iii] It is the third oldest state in the nation. In 2002, 14 percent of Maine's total population was 65 or older.[iv] In 2025, that group will represent 21 percent of the total population, as a result of elders living longer, a projected continuing out-migration and declining birth rates.[v] From 2000 to 2020, Maine's population is forecast to grow about 10 percent overall, but Maine's senior population will grow by 50 percent.[vi] Affordable and accessible elder health care, housing and related services will become more pronounced over time.

Some reports indicate that Maine's young people are leaving. This is referred to as the "brain drain." [vii] This presents a challenge: young people are attracted to vibrant economies, and vibrant economies are built on the ideas and energy of young workers.[viii] From 2000 to 2010 the K–12 public school population will decrease; from 2005 to 2010, the number of high school graduates will decrease, and in 2005, the total school population will begin to decline.[ix] In addition to these statistics, the increased time workers spend commuting between home and one or more work sites, just to make ends meet, leaves less time and energy for family connections, volunteerism or civic engagement.

[i] Laurie Lachance, "Maine's Population," Maine Policy Leaders Academy presentation (Augusta, ME: Maine State Planning Office, 2000), <http://www.state.me.us/spo/economics/economics/pdf/pla-presentation.pdf> (accessed May 2004).

[ii] Charles Colgan, "The 2002 Long Range Economic and Population Forecasts For Maine and its Regions 2000-2025". (Portland, ME: USM Center for Business and Economic Research, 2002) http://www.muskie.usm.maine.edu/csc/homepage/dmpremi_2000.htm (accessed May 2004).

[iii] Lachance, "Maine's Population."

[iv] Lachance, "Maine's Population."

[v] Lachance, "Maine's Population."

[vi] Lachance "Maine's Population."

[vii] Laurie Lachance, "The Maine Economy: Shoring Up the Foundation," presentation to the Jackson Laboratory (Augusta, ME: Maine State Planning Office, 2003), www.state.me.us/spo/economics/economics/presentations.php (accessed May 2004).

[viii] Lachance, "The Maine Economy."

[ix] Colgan, "Economic and Population Forecasts."

2. Scope of the Program

- In-State Research
- Multistate Integrated Research and Extension
- In-State Extension
- Multistate Extension
- Integrated Research and Extension
- Multistate Research

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

According to James B. Cook, "there is a generally recognized set of characteristics that differentiate community development from other forms of community-related activities." [i] The characteristics of a community development activity include (1) a focus on a defined "unit" called community, (2) a desired outcome that results in positive structural change, (3) involvement of paid professionals or workers, (4) a process initiated from outside of the community, (5) an emphasis on the involvement of community members, and (6) a holistic approach that will increase participation in a democratic process . . . and result in more inclusive community decision-making. [ii] A community's capacity, or ability to achieve identified goals, is realized when potential community assets, resources, gifts and talents are mobilized.

[i] James B. Cook, *Community Development Theory*, publication MP568, (Columbia, MO: University of Missouri Extension, 1994), 3.

[ii] Cook, *Community Development Theory*, 3.

2. Ultimate goal(s) of this Program

- Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	2.0	0.0	0.3	0.0
2010	2.0	0.0	0.4	0.0
2011	1.3	0.0	0.3	0.0
2012	1.3	0.0	0.3	0.0
2013	1.1	0.0	0.3	0.0

V(F). Planned Program (Activity)**1. Activity for the Program**

•Community Capacity Building and Leadership. •Community Coaching •Community Development Related (publication)
 •Community Development Related (refereed journal article) •Community Wellness Coalition •Group Effectiveness
 •Maine Solutions Projects •Organizational Development with Community Groups and Organizations •Strengthening
 Facilitation Skills •Strengthening Facilitation Skills Workshop •York County Executive Committee

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● One-on-One Intervention ● Other 1 (Applied Research) ● Group Discussion ● Other 2 (Collaborative or Cooperative Eff) ● Workshop 	<ul style="list-style-type: none"> ● Other 1 (Applied Research) ● Web sites

3. Description of targeted audience

•Agency Staff or Professionals (Adult) •Community Leaders (Adult) •Community Members (Adult) •Community
 Organization Members or Staff (Adult) •County Executive Committee Members (Adult) •Extension - all staff (Adult)
 •Extension Faculty (Adult) •Policy Makers (Adult) •Radio Program Audience (Adult) •4-H Special Interest or
 Short-Term Program Participants (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	10800	504	10	100
2010	11000	504	0	100
2011	10600	4	0	100
2012	10600	4	0	100
2013	10600	4	0	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0 **2010 :0** **2011 :0** **2012 :0** **2013 :0**

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - Applied Research

2009 :1 **2010 :1** **2011 :1** **2012 :1** **2013 :1**

- Direct - Collaborative or Cooperative Effort

2009 :6 **2010 :8** **2011 :8** **2012 :8** **2013 :8**

- Direct - Experiential Learning

2009 :24 **2010 :24** **2011 :24** **2012 :24** **2013 :24**

- Direct - Train-the-Trainer

2009 :1 **2010 :1** **2011 :1** **2012 :0** **2013 :0**

- Direct - Volunteer Training

2009 :12 **2010 :12** **2011 :6** **2012 :6** **2013 :6**

- Direct - Workshop - series

2009 :4 **2010 :4** **2011 :4** **2012 :4** **2013 :4**

- Direct - Workshop - single session

2009 :8 **2010 :7** **2011 :2** **2012 :2** **2013 :2**

- Indirect - Applied Research

2009 :1 **2010 :1** **2011 :1** **2012 :1** **2013 :1**

- Direct - Consultation; phone, written, in-person

2009 :27 **2010 :27** **2011 :2** **2012 :2** **2013 :2**

V(I). State Defined Outcome

O. No	Outcome Name
1	Provide learning opportunities for groups or organizations
2	Take leadership role
3	Teach others to take leadership and facilitation roles
4	Access community needs
5	Be a mentor to other community organizations or groups
6	Create and sustain effective partnerships and collaborations
7	Develop a shared vision for the future
8	Develop partnerships among organizations or groups
9	Facilitate community discussions
10	Implement public policies or practices
11	Increase capacity to function as a group
12	Increase volunteerism
13	Teach others to convene and facilitate community collaboratives
14	Use collaborative process or approach
15	Increase the economic and social viability and sustainability of Maine communities.
16	Use relevant UMaine Extension web-based resources

Outcome #1**1. Outcome Target**

Provide learning opportunities for groups or organizations

2. Outcome Type : Change in Action Outcome Measure**2009** 240**2010** : 240**2011** : 240**2012** 240**2013** :240**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #2**1. Outcome Target**

Take leadership role

2. Outcome Type : Change in Action Outcome Measure**2009** :150**2010** : 150**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services

Outcome #3**1. Outcome Target**

Teach others to take leadership and facilitation roles

2. Outcome Type : Change in Action Outcome Measure**2009** 40**2010** : 40**2011** : 40**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #4**1. Outcome Target**

Access community needs

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

Outcome #5**1. Outcome Target**

Be a mentor to other community organizations or groups

2. Outcome Type : Change in Action Outcome Measure**2009** 2**2010** : 2**2011** : 2**2012** 2**2013** :2**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services

Outcome #6**1. Outcome Target**

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure**2009** 2**2010** : 2**2011** : 2**2012** 2**2013** :2**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

Outcome #7**1. Outcome Target**

Develop a shared vision for the future

2. Outcome Type : Change in Knowledge Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

Outcome #8**1. Outcome Target**

Develop partnerships among organizations or groups

2. Outcome Type : Change in Action Outcome Measure**2009** 2**2010** : 2**2011** : 2**2012** 2**2013** :2**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #9**1. Outcome Target**

Facilitate community discussions

2. Outcome Type : Change in Action Outcome Measure**2009** :122**2010** : 122**2011** : 22**2012** 22**2013** :22**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services

Outcome #10**1. Outcome Target**

Implement public policies or practices

2. Outcome Type : Change in Action Outcome Measure**2009** 2**2010** : 3**2011** : 3**2012** 3**2013** :3**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

Outcome #11**1. Outcome Target**

Increase capacity to function as a group

2. Outcome Type : Change in Action Outcome Measure**2009** :7**2010** : 7**2011** : 7**2012** 7**2013** :7**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

Outcome #12**1. Outcome Target**

Increase volunteerism

2. Outcome Type : Change in Action Outcome Measure**2009** :7**2010** : 7**2011** : 7**2012** 7**2013** :7**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

Outcome #13**1. Outcome Target**

Teach others to convene and facilitate community collaboratives

2. Outcome Type : Change in Action Outcome Measure**2009 :**4**2010 :**4**2011 :**4**2012 :**4**2013 :**4**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #14**1. Outcome Target**

Use collaborative process or approach

2. Outcome Type : Change in Action Outcome Measure**2009 :**3**2010 :**3**2011 :**3**2012 :**3**2013 :**3**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #15**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure**2009 :**0**2010 :**0**2011 :**0**2012 :**0**2013 :**0**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

Outcome #16**1. Outcome Target**

Use relevant UMaine Extension web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** #00**2010** : 400**2011** : 400**2012** #00**2013** :400**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Economy
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)
- Natural Disasters (drought,weather extremes,etc.)
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- Before-After (before and after program)

Description

Intentions for short-term evaluation: Pre- and post-event evaluation instrument as well as a retrospective evaluation instrument will be used to measure knowledge gained and skills learned.

Intentions for medium-term evaluation: Evaluation of changes in behavior, practice, decision-making, policy, and social action. Evaluation of changes in civic engagement.

Intentions for long-term evaluation: Research on the long-term impact of changes in social, civic, organizational, economic, and environmental conditions.

2. Data Collection Methods

- Other (Email/Web Surveys)
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

Program #7

1. Name of the Planned Program

Environmental Education - Sustainable Living

2. Brief summary about Planned Program

All life on Earth is dependent upon healthy ecosystems. Sustainable ecosystems are essential to healthy, sustainable economies. Global issues, such as global warming and over-consumption of resources, can be addressed at the local level through education and individual and collective action. Day camps, summer residential camps, leadership development programs, volunteer development programs, demonstrations, websites, and other methodologies will be used to establish strong connections between individuals and the natural world, and support their commitment to action.

3. Program existence : Mature (More then five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	10%		10%	
112	Watershed Protection and Management	10%		10%	
123	Management and Sustainability of Forest Resources	10%		10%	
134	Outdoor Recreation	10%		10%	
135	Aquatic and Terrestrial Wildlife	5%		5%	
136	Conservation of Biological Diversity	5%		5%	
403	Waste Disposal, Recycling, and Reuse	15%		15%	
703	Nutrition Education and Behavior	5%		5%	
724	Healthy Lifestyle	15%		15%	
801	Individual and Family Resource Management	15%		15%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Nearly all the world's ecosystems are shrinking to make way for humans and their homes, farms, malls and factories. It is no different in Maine. The industrial growth economy, driven in large part by consumerism, is not sustainable. Yet, social health has declined in the United States in the past 30 years, despite higher levels of consumption.

All economic activity, indeed all life, depends on the earth's ecosystem. For economic progress to continue we have little choice but to restructure the economy to make it environmentally sustainable. Educating for a sustainable future involves learning to make decisions that consider the long-term economy, ecology and equity of all communities-learning how to anticipate the consequences of our actions.

A sustainable society is one that satisfies its needs without jeopardizing the prospects of future generations. National opinion surveys reveal that Americans do not understand the concepts involved in sustainable living, and they have little understanding of such pervasive issues as biodiversity, global warming and endangered species. This stands in startling contrast to the fact that the year 2002 was the second hottest (1998 was the hottest) since record keeping began in the 1880s, and that approximately 27,000 species worldwide are driven to extinction each year.

2. Scope of the Program

- Multistate Integrated Research and Extension
- In-State Extension
- Multistate Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Sustainability will require a shift from an industrial growth economy to a life-sustaining society. Support mechanisms for sustainable living are needed in order to translate research information, introduce educational strategies, develop curricula and organize community action. An Extension network for sustainable living would empower individuals in communities to shape their own futures through an appropriate mix of education, group-process training and technical support.

2. Ultimate goal(s) of this Program

- Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
- Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	4.4	0.0	0.3	0.0
2010	4.4	0.0	0.1	0.0
2011	4.4	0.0	0.2	0.0
2012	4.4	0.0	0.2	0.0
2013	3.9	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- 4-H Day School Programs at Camp
- 4-H Earth Connections - Conducted on School Grounds
- 4-H Earth Connections - Overnight School Programs
- 4-H Earth Connections Summer Residential Camp
- Earth Connections Demonstrations at Tanglewood and Blueberry Cove Camps
- Earth Connections Volunteers: Creating Sustainable Communities
- Earth Connections Volunteers: Creating Sustainable Communities - advanced modules
- Earth Connections Volunteers: Creating Sustainable Communities - core curriculum
- Earth Connections Web Site
- Environmental Education - Sustainable Living Programs and Activities
- Family Programs
- Geographic Information Systems Community Mapping Project for Schools
- Green Camp Certification
- Outreach Conducted by Earth Connections Volunteers
- Sustainable Communities Related (publication)
- Sustainable Communities Related (refereed journal article)
- Sustainable Living Related (publication)
- Sustainable Living Related (refereed journal article)
- Tanglewood Discovery Trips
- Tanglewood's Elderhostel Programs
- Vaughn Island 4-H Camp

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> Other 2 (4-H Day Camp) Other 1 (Applied Research) Education Class Demonstrations Group Discussion Workshop 	<ul style="list-style-type: none"> Web sites

3. Description of targeted audience

•Adults with Disabilities (Adults) •Community Members (Adult) •Earth Connections Volunteers (Adult) •Extension Professionals (Adult) •Families (Adult) •General Public (Adult) •Native Americans (Adult) •Teachers (Adult) •Volunteers (Adult) •Youth Educators (Adult) •4-H Leaders (Youth) •4-H Members (Youth) •4-H Special Interest or Short-Term Program Participants (Youth) •Community Members (Youth) •Families (Youth) •School Enrichment Program Participants (Youth) •Youth (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	1500	400	4850	100
2010	1700	400	4850	100
2011	1800	400	4900	100
2012	1850	250	4900	100
2013	1850	250	4900	100

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0

2010 :0

2011 :0

2012 :0

2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - 4-H Overnight Camp

2009 :38	2010 :38	2011 :38	2012 :38	2013 :38
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- Direct - 4-H Day Camp

2009 :71	2010 :71	2011 :71	2012 :71	2013 :71
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- Direct - Demonstration Project

2009 :25	2010 :25	2011 :25	2012 :25	2013 :25
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- Direct - Management teams

2009 :15	2010 :15	2011 :15	2012 :15	2013 :15
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- Direct - 4-H School Enrichment

2009 :15	2010 :15	2011 :15	2012 :15	2013 :15
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- Direct - Collaborative or Cooperative Effort

2009 :5	2010 :5	2011 :5	2012 :5	2013 :5
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- Direct - Experiential Learning

2009 :23	2010 :23	2011 :23	2012 :23	2013 :23
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V(I). State Defined Outcome

O. No	Outcome Name
1	Develop skills that promote healthy relationships
2	Increase use of Maine-produced natural resources
3	Make better decision regarding natural resource management
4	Make better decisions regarding healthy lifestyle
5	Organize community coalitions and working groups
6	Promote healthy relationships
7	Protect or conserve biodiversity and habitat including native plant and animal species
8	Use new technologies
9	Adopt appropriate practices
10	Adopt environmentally sound practices
11	Adopt lower impact lifestyles
12	Conduct community service or outreach
13	Create and sustain effective partnerships and collaborations
14	Create demonstration model
15	Create learning opportunities based on principles of positive human development
16	Develop a sense of belonging to a community
17	Develop environmentally sound technologies and practices
18	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
19	Protect and enhance Maine's natural resources and environment through sustainable.
20	Secure resources
21	Support and mentor others in leadership roles
22	Use services of natural resource professionals
23	Describe resources available form, and services provided by, natural resource professionals
24	Conduct a demonstration, tour, or talk
25	Engage positively in their community

Outcome #1**1. Outcome Target**

Develop skills that promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure**2009** :1560**2010** : 1600**2011** : 1640**2012** :1640**2013** :1640**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #2**1. Outcome Target**

Increase use of Maine-produced natural resources

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** : 30**2011** : 30**2012** :30**2013** :30**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

Outcome #3**1. Outcome Target**

Make better decision regarding natural resource management

2. Outcome Type : Change in Action Outcome Measure**2009** :75**2010** : 85**2011** : 115**2012** :115**2013** :115**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

Outcome #4**1. Outcome Target**

Make better decisions regarding healthy lifestyle

2. Outcome Type : Change in Action Outcome Measure**2009 :**700**2010 :**700**2011 :**700**2012 :**700**2013 :**700**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #5**1. Outcome Target**

Organize community coalitions and working groups

2. Outcome Type : Change in Action Outcome Measure**2009 :**25**2010 :**25**2011 :**25**2012 :**25**2013 :**25**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

Outcome #6**1. Outcome Target**

Promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure**2009 :**25**2010 :**25**2011 :**25**2012 :**25**2013 :**25**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #7**1. Outcome Target**

Protect or conserve biodiversity and habitat including native plant and animal species

2. Outcome Type : Change in Action Outcome Measure**2009 :**30**2010 :**30**2011 :**40**2012 :**40**2013 :**40**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

Outcome #8**1. Outcome Target**

Use new technologies

2. Outcome Type : Change in Action Outcome Measure**2009** :110**2010** : 110**2011** : 110**2012** :110**2013** :110**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 724 - Healthy Lifestyle

Outcome #9**1. Outcome Target**

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 30**2011** : 40**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

Outcome #10**1. Outcome Target**

Adopt environmentally sound practices

2. Outcome Type : Change in Action Outcome Measure**2009 :**1750**2010 :**1900**2011 :**1950**2012 :**1950**2013 :**1950**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #11**1. Outcome Target**

Adopt lower impact lifestyles

2. Outcome Type : Change in Action Outcome Measure**2009 :**730**2010 :**730**2011 :**730**2012 :**730**2013 :**730**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

Outcome #12**1. Outcome Target**

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure**2009 :**300**2010 :**330**2011 :**320**2012 :**340**2013 :**340**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #13**1. Outcome Target**

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure**2009 :**25**2010 :**25**2011 :**25**2012 :**25**2013 :**25**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

Outcome #14**1. Outcome Target**

Create demonstration model

2. Outcome Type : Change in Action Outcome Measure

2009 : 5	2010 : 10	2011 : 10	2012 : 10	2013 : 10
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 136 - Conservation of Biological Diversity
- 703 - Nutrition Education and Behavior

Outcome #15**1. Outcome Target**

Create learning opportunities based on principles of positive human development

2. Outcome Type : Change in Action Outcome Measure

2009 : 700	2010 : 700	2011 : 700	2012 : 700	2013 : 700
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #16**1. Outcome Target**

Develop a sense of belonging to a community

2. Outcome Type : Change in Action Outcome Measure

2009 : 180	2010 : 180	2011 : 180	2012 : 180	2013 : 180
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #17**1. Outcome Target**

Develop environmentally sound technologies and practices

2. Outcome Type : Change in Action Outcome Measure

2009 : 25	2010 : 25	2011 : 25	2012 : 25	2013 : 25
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 136 - Conservation of Biological Diversity

Outcome #18**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

Outcome #19**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife

- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

Outcome #20**1. Outcome Target**

Secure resources

2. Outcome Type : Change in Action Outcome Measure

2009 :5 2010 : 10 2011 : 10 2012 :10 2013 :10

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #21**1. Outcome Target**

Support and mentor others in leadership roles

2. Outcome Type : Change in Action Outcome Measure

2009 :25 2010 : 25 2011 : 25 2012 :25 2013 :25

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

Outcome #22**1. Outcome Target**

Use services of natural resource professionals

2. Outcome Type : Change in Action Outcome Measure

2009 :25 2010 : 25 2011 : 25 2012 :25 2013 :25

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

Outcome #23**1. Outcome Target**

Describe resources available form, and services provided by, natural resource professionals

2. Outcome Type : Change in Knowledge Outcome Measure**2009** 25**2010** : 25**2011** : 25**2012** 25**2013** :25**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 403 - Waste Disposal, Recycling, and Reuse

Outcome #24**1. Outcome Target**

Conduct a demonstration, tour, or talk

2. Outcome Type : Change in Action Outcome Measure**2009** 30**2010** : 40**2011** : 40**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

Outcome #25**1. Outcome Target**

Engage positively in their community

2. Outcome Type : Change in Action Outcome Measure**2009** 80**2010** : 80**2011** : 80**2012** 80**2013** :80**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse
- 724 - Healthy Lifestyle

- 801 - Individual and Family Resource Management

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Programmatic Challenges
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Natural Disasters (drought,weather extremes,etc.)
- Economy
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)

Description

Intentions for short-term evaluation: Pre- and post-program participant evaluations as appropriate, tracking use of web resources and requests for publications.

Intentions for medium-term evaluation: Follow-up survey of program participants as appropriate to assess how knowledge/skills gained are being applied, using surveys.

Intentions for long-term evaluation: Follow up community-level survey to asses progress made in relation to goals set, using surveys.

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- During (during program)
- Before-After (before and after program)

Description

Intentions for short-term evaluation: Pre- and post-program participant evaluations as appropriate, tracking use of web resources and requests for publications.

Intentions for medium-term evaluation: Follow-up survey of program participants as appropriate to assess how knowledge/skills gained are being applied, using surveys.

Intentions for long-term evaluation: Follow up community-level survey to asses progress made in relation to goals set, using surveys.

2. Data Collection Methods

- Other (Email/Web Surveys)
- Mail
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #8****1. Name of the Planned Program**

Family Relations and Transitions

2. Brief summary about Planned Program

Strong families are essential to the well-being of our children and our communities, regardless of how they are configured or what transitions they are experiencing. Core to strong families are good relational skills and parenting skills. Families exist in the context of community, culture, and society, each of which influences the development of individuals. Workshops, home visits, publications, and other methods are used to teach parenting, babysitting, financial management, and media literacy skills to 4-H volunteers, agency staff, parents, teachers, and families. Programs like the Gender Project and Turn Beauty Inside Out seek to engage whole communities in raising strong, healthy, whole young people.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
801	Individual and Family Resource Management	20%		20%	
802	Human Development and Family Well-Being	20%		20%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	60%		60%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

The National Extension Parent Education Model states that "parents experience special pressure today not faced by previous generations . . . a majority of American adults, regardless of age, race, marital or parental status believe that it is harder to be a parent today than it used to be." Today's parents often are uncertain about the right thing to do in raising their children.[i]

Many new parents have unexpected conflict after the birth of a first child. This leads to arguing, giving and receiving less affection, doubting their feelings for each other, and feeling unsure about their relationship. More than at any other stage of family life, thoughts of divorce are more frequent after the birth of a baby and when there are preschoolers at home.[ii] Forty-two percent of divorces involving parents take place before their first child leaves kindergarten. Almost 15 percent of these parents end their marriage before their children reach 18 months of age.[iii] Seven out of ten couples have reported a decrease in the level of communication after they become parents. For half of these couples, this became permanent.[iv] Much of the decrease in satisfaction with marriage after the birth of a child is because of role conflicts.[v]

We are now a nation in which the majority of families are divorced; two out of three marriages taking place with adults under age 30 end in divorce.[vi] The average marriage in America lasts only seven years. While the impact of divorce is still

being hotly debated, new research suggests that the differences between children from divorced homes and children from non-divorced homes are not as great as frequently reported.

The critical factor in how divorce affects children is how the adults manage the stress of separation.

[i] Charles A. Smith, Dorothea Cudabeck, H. Wallace Goddard and Judith A. Myers-Walls, *The National Extension Parent Education Model* (Manhattan, KS: Kansas Cooperative Extension Service, 1994), 7.

[ii] Rhonda Kruse Nordin, *After the Baby: Making Sense of Marriage After Childbirth* (Dallas: Taylor Publishing, 2000).

[iii] United States Bureau of Census, "Marriage, Divorce and Remarriage in the 1990s," *Current Populations Reports* (Washington DC: United States Government Printing Office), 23-180.

[iv] Jay Belsky and John Kelly, *The Transition to Parenthood: How a First Child Changes a Marriage* (New York: Delacourte Press, 1994).

[v] Jean Twenge, W. Keith Campbell and Craig A. Foster, "Parenthood and Marital Satisfaction: A Meta-Analytic Review," *Journal of Marriage and Family* 65(August 2003), 574-583.

[vi] U.S. Census.

[vii] Paul R. Amato, "Reconciling Divergent Perspectives: Judith Wallerstein, Quantitative

2. Scope of the Program

- Integrated Research and Extension
- Multistate Integrated Research and Extension
- Multistate Extension
- In-State Extension
- In-State Research

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Effective parenting can be learned by people of all ages. Therefore, special attention must be given to supporting and strengthening the skills of parents, parents-to-be and all adults who care for children by teaching critical parenting practices. We also need to pay particular attention to the needs of stepfamilies and those families experiencing divorce and other role transitions. While the controversy regarding whether the negative impact of divorce on children can be mitigated continues, divorcing parents do benefit from intervention programming. For instance, prevention programming for custodial mothers has the potential to reduce psychological distress.[i]

Specific goals and objectives need to be set by communities, based on their needs and the availability of educators to address those needs. To suggest statewide goals at this point either makes them too broad to be evaluated or is self-defeating, prescribing the solution before the issue has been discussed, debated and clearly defined.

[i] Rachel A. Haine, Irwin N. Sandler, Sharlene A. Wolchik, Jenn-Yun Tein and Spring R. Dawson-McClure, "Changing the Legacy of Divorce: Evidence From Prevention Programs and Future Directions," *Family Relations* 52 (2003), 397-405.

2. Ultimate goal(s) of this Program

•Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	8.0	0.0	0.5	0.0
2010	8.0	0.0	0.1	0.0
2011	6.0	0.0	0.1	0.0
2012	6.0	0.0	0.1	0.0
2013	6.0	0.0	0.1	0.0

V(F). Planned Program (Activity)**1. Activity for the Program**

•4-H volunteer Development - Volunteer Training •Applied Research - Gender Education •Caring For Kids - Baby Sitting Training for Youth •Collaborative Relationships With Community Organizations •Community Inquiries •Consultations - Gender Education •Facilitation skills for community leaders •Family Development •Family Related (publication) •Family Related (refereed journal article) •Gender Project and Turn Beauty Inside Out •Gender Project Train-the-Trainer Workshops •Gender Related (publication) •Gender Related (refereed journal article) •Home Visits With New Parents •Infant Mental Health Professional Development Opportunities •Leadership to Collaborative Groups to Improve and Expand Maine's Home Visiting System •Legislative Education •Marketing/Media Efforts to Influence Parent Purchases for Children •Media Literacy Workshops •Mentor and Provide Technical Assistance to Home Visiting Program Managers •Newsletter - Money Sense •Parent Education Training •Parent Educator Training •Parenting Newsletter •Parenting Through Separation and Divorce •Professional Development For Home Visitors •Professional Development Trainings •Project Collaborations - Gender Education •Recruit, Educate, and Match Volunteer Mentors with Adolescent Parents. •Resource Development - Gender Education •Strengthening Stepfamilies •The Growing Years •This is a pilot- Home Budgeting Clinic with consultation- of a family referred by EAP. •Training Opportunities for Parent Educators. •Turn Beauty Inside Out Network Meetings •Volunteer Support - 4-H Youth Development •What Influences Consumer Buying Habits in Rural Areas •Women's Leadership Retreats: The Eleanor Days

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> • Other 1 (Conference or symposium) • Education Class • Demonstrations • One-on-One Intervention • Group Discussion • Workshop 	<ul style="list-style-type: none"> • Newsletters • Other 1 (Applied Research)

3. Description of targeted audience

•4-H Volunteers (Adult) •Agency Staff or Professionals (Adult) •Care Providers for Children (Adult) •Coalition Members (Adult) •Community Leaders (Adult) •Community Members (Adult) •Community Organization Members or Staff (Adult) •Extension - all staff (Adult) •Families (Adult) •General Public (Adult) •Parent Educators (Adult) •Parents (Adult) •Policy Makers (Adult) •Teachers (Adult) •Volunteers (Adult) •Families (Youth) •Youth (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	2300	8600	75	0
2010	2200	8750	80	0
2011	2200	9300	45	0
2012	2250	9800	50	0
2013	2250	9800	50	0

2. (Standard Research Target) Number of Patent Applications Submitted

Expected Patent Applications

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Collaborative or Cooperative Effort

2009 :17 2010 :17 2011 :17 2012 :17 2013 :17

- Direct - Conference or symposium; Planning and/or participation

2009 :3 2010 :3 2011 :3 2012 :3 2013 :3

- Direct - Consultation; phone, written, in-person

2009 :775 2010 :750 2011 :490 2012 :490 2013 :490

- Direct - Group Presentation

2009 :14 2010 :14 2011 :14 2012 :14 2013 :14

- Direct - Public Presentation

2009 :10 2010 :10 2011 :10 2012 :10 2013 :10

- Direct - Train-the-Trainer

2009 :34 2010 :34 2011 :34 2012 :34 2013 :34

- Direct - Volunteer Training

2009 20	2010 19	2011 :21	2012 21	2013 21
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- Direct - Workshop - series

2009 9	2010 10	2011 :7	2012 7	2013 7
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- Indirect - Publication - curriculum

2009 3	2010 3	2011 :3	2012 3	2013 3
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- Indirect - Publication - newsletter

2009 54	2010 52	2011 :52	2012 52	2013 52
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- Indirect - Written or e-mail response to Client Request

2009 50	2010 50	2011 :50	2012 50	2013 50
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- Indirect - Applied Research

2009 4	2010 4	2011 :3	2012 3	2013 3
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- Indirect - Publication

2009 2	2010 2	2011 :2	2012 2	2013 2
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- Indirect - Publication - refereed journal article

2009 1	2010 1	2011 :1	2012 1	2013 1
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V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt record-keeping system
2	Balance roles, responsibilities, and stress
3	Conduct community-based education that encourages healthy individual and family behaviors
4	Create learning opportunities based on principles of positive human development
5	Create safe and empowering learning opportunities
6	Create sustainable networks
7	Develop a financial plan
8	Develop and apply policies or practices that create safe, healthy physical environments
9	Develop and apply policies or practices that create safe, healthy psychological environments
10	Develop literacy and critical thinking skills
11	Develop skills that promote healthy relationships
12	Engage in leadership development
13	Make better decisions
14	Make better decisions using accurate records
15	Manage community resources
16	Model positive group behavior to others
17	Organize conferences or other learning opportunities
18	Use literacy and critical thinking skills
19	Use relevant UMCE web-based resources
20	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness
21	Increase the economic and social viability and sustainability of Maine communities.
22	Provide learning opportunities for groups or organizations
23	Reduce or eliminate gender stereotyping
24	Teach others to take leadership and facilitation roles
25	Treat all people with dignity and respect
26	Confront disrespectful behaviors
27	Create and sustain effective partnerships and collaborations
28	Create new media
29	Develop a shared vision for the future
30	Have "real" conversations about gender issues and limits of stereotypes
31	Support and mentor others in leadership roles
32	Assume personal responsibility for health
33	Dollars saved
34	Facilitate community discussions
35	Increase volunteerism
36	Keep accurate records
37	Make better decisions regarding healthy lifestyle
38	Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills
39	Promote healthy relationships
40	Take leadership role
41	Use a collaborative process or approach

Outcome #1**1. Outcome Target**

Adopt record-keeping system

2. Outcome Type : Change in Action Outcome Measure

2009 :150	2010 : 200	2011 : 200	2012 200	2013 :200
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #2**1. Outcome Target**

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Action Outcome Measure

2009 :130	2010 : 140	2011 : 140	2012 :140	2013 :140
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #3**1. Outcome Target**

Conduct community-based education that encourages healthy individual and family behaviors

2. Outcome Type : Change in Action Outcome Measure

2009 :160	2010 : 160	2011 : 160	2012 :160	2013 :160
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #4**1. Outcome Target**

Create learning opportunities based on principles of positive human development

2. Outcome Type : Change in Action Outcome Measure

2009 :405	2010 : 425	2011 : 435	2012 :435	2013 :435
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #5**1. Outcome Target**

Create safe and empowering learning opportunities

2. Outcome Type : Change in Action Outcome Measure**2009** :105**2010** : 115**2011** : 125**2012** :125**2013** :125**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #6**1. Outcome Target**

Create sustainable networks

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #7**1. Outcome Target**

Develop a financial plan

2. Outcome Type : Change in Action Outcome Measure**2009** :300**2010** : 350**2011** : 350**2012** 350**2013** :350**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #8**1. Outcome Target**

Develop and apply policies or practices that create safe, healthy physical environments

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 65**2011** : 70**2012** :70**2013** :70**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #9**1. Outcome Target**

Develop and apply policies or practices that create safe, healthy psychological environments

2. Outcome Type : Change in Action Outcome Measure**2009** :83**2010** : 93**2011** : 103**2012** :103**2013** :103**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #10**1. Outcome Target**

Develop literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #11**1. Outcome Target**

Develop skills that promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure**2009** :294**2010** : 334**2011** : 334**2012** :334**2013** :334**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #12**1. Outcome Target**

Engage in leadership development

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #13**1. Outcome Target**

Make better decisions

2. Outcome Type : Change in Action Outcome Measure**2009** :300**2010** : 300**2011** : 300**2012** :300**2013** :300**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #14**1. Outcome Target**

Make better decisions using accurate records

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** : 40**2011** : 40**2012** :40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #15**1. Outcome Target**

Manage community resources

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 50**2011** : 50**2012** :50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #16**1. Outcome Target**

Model positive group behavior to others

2. Outcome Type : Change in Action Outcome Measure**2009 :**130**2010 :** 140**2011 :** 140**2012 :**140**2013 :**140**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #17**1. Outcome Target**

Organize conferences or other learning opportunities

2. Outcome Type : Change in Action Outcome Measure**2009 :** 2**2010 :** 2**2011 :** 2**2012 :** 2**2013 :** 2**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #18**1. Outcome Target**

Use literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure**2009 :**130**2010 :** 140**2011 :** 140**2012 :**140**2013 :**140**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #19**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** 290**2010** : 290**2011** : 290**2012** 290**2013** :290**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #20**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #21**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #22**1. Outcome Target**

Provide learning opportunities for groups or organizations

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 50**2011** : 50**2012** :50**2013** :50**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #23**1. Outcome Target**

Reduce or eliminate gender stereotyping

2. Outcome Type : Change in Action Outcome Measure**2009** :150**2010** : 150**2011** : 150**2012** :150**2013** :150**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #24**1. Outcome Target**

Teach others to take leadership and facilitation roles

2. Outcome Type : Change in Action Outcome Measure**2009** :80**2010** : 90**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #25**1. Outcome Target**

Treat all people with dignity and respect

2. Outcome Type : Change in Action Outcome Measure**2009** :220**2010** : 240**2011** : 250**2012** :250**2013** :250**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #26**1. Outcome Target**

Confront disrespectful behaviors

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

Outcome #27**1. Outcome Target**

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure**2009** 36**2010** : 36**2011** : 36**2012** 36**2013** :36**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #28**1. Outcome Target**

Create new media

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #29**1. Outcome Target**

Develop a shared vision for the future

2. Outcome Type : Change in Action Outcome Measure**2009** 3**2010** : 3**2011** : 3**2012** 3**2013** :3**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #30**1. Outcome Target**

Have "real" conversations about gender issues and limits of stereotypes

2. Outcome Type : Change in Action Outcome Measure

2009 :50

2010 : 50

2011 : 50

2012 : 50

2013 :50

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #31**1. Outcome Target**

Support and mentor others in leadership roles

2. Outcome Type : Change in Action Outcome Measure

2009 :7

2010 : 7

2011 : 7

2012 : 7

2013 :7

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #32**1. Outcome Target**

Assume personal responsibility for health

2. Outcome Type : Change in Knowledge Outcome Measure

2009 :50

2010 : 0

2011 : 0

2012 : 0

2013 :0

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

Outcome #33**1. Outcome Target**

Dollars saved

2. Outcome Type : Change in Action Outcome Measure

2009 :4000

2010 : 4500

2011 : 5000

2012 : 5500

2013 :6000

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #34**1. Outcome Target**

Facilitate community discussions

2. Outcome Type : Change in Action Outcome Measure

2009 :100	2010 : 100	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #35**1. Outcome Target**

Increase volunteerism

2. Outcome Type : Change in Action Outcome Measure

2009 :12	2010 : 12	2011 : 12	2012 :12	2013 :12
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #36**1. Outcome Target**

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure

2009 :100	2010 : 100	2011 : 100	2012 :100	2013 :100
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #37**1. Outcome Target**

Make better decisions regarding healthy lifestyle

2. Outcome Type : Change in Action Outcome Measure

2009 :50	2010 : 50	2011 : 50	2012 50	2013 :50
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #38**1. Outcome Target**

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure

2009 50	2010 : 50	2011 : 50	2012 50	2013 :50
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #39**1. Outcome Target**

Promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2009 2000	2010 : 3000	2011 : 4000	2012 5000	2013 :6000
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

Outcome #40**1. Outcome Target**

Take leadership role

2. Outcome Type : Change in Action Outcome Measure

2009 :150	2010 : 150	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #41**1. Outcome Target**

Use a collaborative process or approach

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Competing Programmatic Challenges
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Natural Disasters (drought,weather extremes,etc.)
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)
- Case Study
- Time series (multiple points before and after program)

Description

Intentions for short-term evaluation: Pre- and post-event evaluation of acquired skills and knowledge using surveys.

Intentions for medium-term evaluation: Evaluation of changes in behavior, practice, decision-making, policy, and social action using follow-up phone calls, self-reporting, surveys, focus groups, case studies.

Intentions for long-term evaluation: Data collection related to long-term impact using case studies.

2. Data Collection Methods

- Telephone
- Structured
- Other (Email/Web surveys)
- On-Site
- Case Study

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #9****1. Name of the Planned Program**

Food Safety

2. Brief summary about Planned Program

Food safety programs seek to address two major needs – keeping foods free from harmful chemicals and residues; protecting foods from contamination. Food safety is a concern from production through harvest, processing, purchase, preparation, and serving. Programs are tailored to the sector of the food system being addressed and the issues encountered by that sector. From commercial producers and processors to home gardeners and canners, a variety of educational methods will be used to engage clients in acquiring and applying new knowledge and skills in keeping food safe.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
501	New and Improved Food Processing Technologies	15%		15%	
502	New and Improved Food Products	5%		5%	
504	Home and Commercial Food Service	20%		20%	
704	Nutrition and Hunger in the Population	20%		20%	
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.	20%		20%	
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	20%		20%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

The Centers for Disease Control and Prevention (CDC) estimates that food-borne diseases cause approximately 76 million illnesses, 325,000 hospitalizations and 5,000 deaths in the United States each year. Known pathogens account for an estimated 14 million illnesses, 60,000 hospitalizations and 1,800 deaths. Three pathogens, Salmonella, Listeria, and Toxoplasma, are

responsible for 1,500 deaths each year-more than 75 percent of those caused by known pathogens-while unknown agents account for the remaining 62 million illnesses, 265,000 hospitalizations and 3,200 deaths. Overall, food-borne diseases appear to cause more illnesses, but fewer deaths, than previously estimated.

Food-borne illness is much more serious in terms of both duration and severity in the very young and the very old. As the American population ages, this segment of Maine's society will become the most vulnerable. State food regulations allow Maine citizens to produce food for sale in their home. Helping these entrepreneurs to be profitable, competitive and sustainable, while still producing safe products, will greatly enhance economic growth in the state.

2. Scope of the Program

- Integrated Research and Extension
- Multistate Integrated Research and Extension
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The existing collaborative work with state and federal agencies must be strengthened and enhanced to fulfill national food safety and quality initiatives, including an active participation in the homeland security process to protect our food supply, ensure its safety and have an effective strategy for response should a challenge to food security occur.

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Enhance the safety, sustainability, and dependability of Maine's food supply. •Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	2.2	0.0	0.3	0.0
2010	2.2	0.0	0.3	0.0
2011	2.2	0.0	0.3	0.0
2012	2.2	0.0	0.3	0.0
2013	2.2	0.0	0.3	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•Applied Research in FoodProcessing Safety •Consultation - Food Safety and Food Preservation •Cooking for a Crowd
 •EFNEP Food Safety •Fight Foodborne Illness •Food Cupboard Coalition •Food Preservation and Nutrition Call Team
 •Food Preservation Workshops •Food Safety Fun Kits •Food Safety Related (publication) •Food Safety Related (refereed journal article)
 •Good Agricultural Practices (GAP II) •Health Fair Related to Nutirtion •Maine Cattle Health Assurance Program
 •Maine Family Nutrition Program Food Safety •Piscataquis Public Health Coalition •Pressure Gauge Testing •Safety Zone

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 2 (Collaborative or Cooperative Eff) ● Demonstrations ● Other 1 (Applied Research) ● Group Discussion ● Workshop ● One-on-One Intervention ● Education Class 	<ul style="list-style-type: none"> ● Web sites ● Newsletters

3. Description of targeted audience

•Agricultural Producers (Adult) •Business Owners - current (Adult) •Care Providers for Children (Adult) •Commercial Dairy Producers (Adult) •Community Members (Adult) •Extension Homemakers (Adult) •Food Cupboard Directors •Food Stamp Recipients (Adult) •General Public (Adult) •Home Gardeners (Adult) •Limited Income Public (Adult) •Nutrition Aides (Adult) •Veterinarians (Adult) •Consumers (Adult) •Food Stamp Youth (Youth) •Limited Income Public (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	1850	1050	10650	0
2010	1100	1050	10600	0
2011	1120	1050	10600	0
2012	1150	1050	10600	0
2013	1150	1050	10600	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0

2010 :0

2011 :0

2012 :0

2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs

1. Output Target

● Direct - Collaborative or Cooperative Effort				
2009 4	2010 4	2011 4	2012 4	2013 4
● Direct - Consultation; phone, written, in-person				
2009 :11000	2010 :11000	2011 :11000	2012 :11000	2013 :11000
● Direct - Workshop - series				
2009 8	2010 7	2011 :7	2012 :7	2013 :7
● Direct - Workshop - single session				
2009 :16	2010 :16	2011 :16	2012 :16	2013 :16
● Indirect - Publication - newsletter				
2009 6	2010 6	2011 :6	2012 6	2013 6

V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt HACCP and bio-security plans
2	Adopt behaviors to prevent or minimize complications of chronic disease
3	Adopt food safety practices
4	Adopt the USDA dietary guidelines and the food guide pyramid
5	Keep accurate records
6	Keep livestock healthy
7	Participate in Maine cattle health assurance program
8	Participate in Salmonella enteritidis surveillance program
9	Participate in livestock disease monitoring programs
10	Use relevant UMCE web-based resources
11	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
12	Enhance the safety, sustainability, and dependability of Maine's food supply.
13	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
14	Adopt appropriate handling and storage technologies
15	Adopt appropriate technologies
16	Develop educational programs that address health and safety issues
17	Operate equipment safely
18	Practice safety
19	Assume personal responsibility for health
20	Increase consumption of locally produced foods
21	Integrate regular physical activity into daily life
22	Make better decisions regarding healthy lifestyles
23	Manage family resources in alignment with goals

Outcome #1**1. Outcome Target**

Adopt HACCP and bio-security plans

2. Outcome Type : Change in Action Outcome Measure

2009 :75	2010 : 100	2011 : 125	2012 :125	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #2**1. Outcome Target**

Adopt behaviors to prevent or minimize complications of chronic disease

2. Outcome Type : Change in Action Outcome Measure

2009 :125	2010 : 125	2011 : 125	2012 :125	2013 :125
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

Outcome #3**1. Outcome Target**

Adopt food safety practices

2. Outcome Type : Change in Action Outcome Measure

2009 :5700	2010 : 5700	2011 : 5700	2012 :5700	2013 :5700
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 504 - Home and Commercial Food Service

Outcome #4**1. Outcome Target**

Adopt the USDA dietary guidelines and the food guide pyramid

2. Outcome Type : Change in Action Outcome Measure

2009 :160	2010 : 160	2011 : 160	2012 :160	2013 :160
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

Outcome #5**1. Outcome Target**

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure

2009 :45

2010 : 45

2011 : 45

2012 :45

2013 :45

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population

Outcome #6**1. Outcome Target**

Keep livestock healthy

2. Outcome Type : Change in Action Outcome Measure

2009 :75

2010 : 100

2011 : 125

2012 :125

2013 :0

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.

Outcome #7**1. Outcome Target**

Participate in Maine cattle health assurance program

2. Outcome Type : Change in Action Outcome Measure

2009 :40

2010 : 40

2011 : 40

2012 :40

2013 :40

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.

Outcome #8**1. Outcome Target**

Participate in Salmonella enteriditis surveillance program

2. Outcome Type : Change in Action Outcome Measure

2009 :75

2010 : 100

2011 : 125

2012 :125

2013 :0

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #9**1. Outcome Target**

Participate in livestock disease monitoring programs

2. Outcome Type : Change in Action Outcome Measure

2009 :75 **2010 :** 100 **2011 :** 125 **2012 :**125 **2013 :**0

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #10**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2009 :100 **2010 :** 100 **2011 :** 100 **2012 :**100 **2013 :**100

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #11**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2009 :0 **2010 :** 0 **2011 :** 0 **2012 :** 0 **2013 :**0

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products

- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #12**1. Outcome Target**

Enhance the safety, sustainability, and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #13**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #14**1. Outcome Target**

Adopt appropriate handling and storage technologies

2. Outcome Type : Change in Action Outcome Measure**2009** :35**2010** :35**2011** :35**2012** :35**2013** :35**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 504 - Home and Commercial Food Service

Outcome #15**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** :30**2011** :30**2012** :30**2013** :30**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #16**1. Outcome Target**

Develop educational programs that address health and safety issues

2. Outcome Type : Change in Action Outcome Measure**2009** :25**2010** :25**2011** :25**2012** :25**2013** :25**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

Outcome #17**1. Outcome Target**

Operate equipment safely

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** :30**2011** :30**2012** :30**2013** :30**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #18**1. Outcome Target**

Practice safety

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #19**1. Outcome Target**

Assume personal responsibility for health

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #20**1. Outcome Target**

Increase consumption of locally produced foods

2. Outcome Type : Change in Action Outcome Measure**2009** 40**2010** : 40**2011** : 40**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #21**1. Outcome Target**

Integrate regular physical activity into daily life

2. Outcome Type : Change in Action Outcome Measure**2009 :**77**2010 :**77**2011 :**77**2012 :**77**2013 :**77**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #22**1. Outcome Target**

Make better decisions regarding healthy lifestyles

2. Outcome Type : Change in Action Outcome Measure**2009 :**6600**2010 :**6600**2011 :**6600**2012 :**6600**2013 :**6600**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #23**1. Outcome Target**

Manage family resources in alignment with goals

2. Outcome Type : Change in Action Outcome Measure**2009 :**5600**2010 :**5600**2011 :**5600**2012 :**5600**2013 :**5600**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 504 - Home and Commercial Food Service

- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Government Regulations
- Competing Programmatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Competing Public priorities
- Populations changes (immigration,new cultural groupings,etc.)
- Appropriations changes
- Economy
- Public Policy changes

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Before-After (before and after program)
- Case Study
- Comparisons between program participants (individuals,group,organizations) and non-participants
- Retrospective (post program)

Description

Intentions for short-term evaluation: Measure the knowledge gained as an immediate result of the educational experience through use of the following tools: Pre- and Post-tests and surveys

Intentions for medium-term evaluation: To measure behaviors, skills, practices, decision-making, policies and social action changes over a period of time through use of surveys, phone interviews, focus groups and self-reporting.

Intentions for long-term evaluation: To measure the health status of Maine citizens including social, economic, civic and environmental changes through data and research findings.

2. Data Collection Methods

- Mail
- On-Site
- Other (Email/Web Surveys)
- Telephone
- Structured

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

Program #10

1. Name of the Planned Program

Forestry and Wildlife

2. Brief summary about Planned Program

Maine is highly dependent on natural resources, especially the forest, for a multitude of products and services. From maple syrup to lumber, ginseng to balsam tips, warblers to salamanders, Maine citizens use the forest to provide their livelihood and their connection to the natural world. Enhancing biodiversity, wildlife habitat in settled landscapes, grading maple syrup, wild ginseng production, and improving sawmill operations are a few of our programs that address forest resources issues. Publications, workshops, and demonstrations compliment will one-on-one consultations and volunteer outreach programs.

3. Program existence : Mature (More then five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : No

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management	10%		10%	
123	Management and Sustainability of Forest Resources	20%		20%	
124	Urban Forestry	5%		5%	
125	Agroforestry	10%		10%	
134	Outdoor Recreation	5%		5%	
135	Aquatic and Terrestrial Wildlife	20%		20%	
136	Conservation of Biological Diversity	20%		20%	
724	Healthy Lifestyle	10%		10%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Maine is the most heavily forested state in the country. Maine's land base covers 19.7 million acres and ninety percent, or 17.6 million acres, is forested. Seventeen million of these forested acres are classified as timberland. The majority of timberland in Maine is privately owned (16.2 million acres or 96 percent). The Maine Forest Service estimates that 30 percent is owned by the forest industry, 15 percent by investor groups, 51 percent by non-industrial owners, and 4 percent is owned by state and federal governments.[i] A healthy forest environment has a direct connection to human health through the water we drink, the food we eat and the air we breathe, as well as the visual environment where we live, work and recreate.

The Maine forest economy is restructuring in a permanent way, with a general shift away from manufacturing. Tourism is replacing wood products as a natural-resource-based industry.[ii] Habitat conservation also delivers strong economic benefits to Maine communities. In 1996, the economic impact of wildlife-related recreation in Maine totaled over 1.1 billion dollars.[iii]

[i] Maine Forest Service, Fourth Annual Inventory Report Maine's Forests, October 2003, <http://www.state.me.us/doc/mfs/pubs/pdf/anninv/2002invrpt.pdf> (accessed July, 2004).

[ii] Lloyd C. Irland, "Appendix H: This Evergreen Empire: Maine's Forest Resources in a New Century," in Richard Barringer and Richard Davies, Blaine House Conference on Maine's Natural Resource-Based Industry: Charting a New Course (Augusta, ME: Maine State Planning Office, 2003), <http://www.maine.gov/governor/baldacci/news/events/pdfs/natresfinalreport.pdf>.

[iii] Maine Department of Inland Fisheries & Wildlife, Beginning with Habitat, <http://www.beginningwithhabitat.org/index.html> (accessed July 2004).

2. Scope of the Program

- In-State Extension
- Multistate Integrated Research and Extension
- Multistate Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The failure of landowners to adopt sound management practices will contribute to future shortages of wood products, loss of habitat, forest fragmentation and a general decline in quality of life. Land in Maine, particularly in southern and coastal areas and along the fringes of the wild lands, will continue to be consumed at an alarming and accelerating rate.

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Increase the economic and social viability and sustainability of Maine communities. •Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	3.2	0.0	0.2	0.0
2010	3.2	0.0	0.1	0.0
2011	2.2	0.0	0.1	0.0
2012	2.2	0.0	0.1	0.0
2013	2.2	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•Annual Maple Schools •Biodiversity in the Forests of Maine •Forestry and Wildlife Program Support and Networking
 •Forestry and Wildlife Related (publication) •Forestry and Wildlife Related (refereed journal article) •Habitat Education for the Settled Landscape •Habitat Stewards Program •Habitats Fact Sheet Series and PowerPoint Presentations •Maple Grading School •Non-timber Forest Products •Other Forestry and Wildlife Programs and Activities •Sawmill Operations and Technology - Clinic •Sawmill Operations and Technology- Cooperative /Collaborative Effort •Sawmill Operations and Technology-Course •Sawmill Operations and Technology-Publication •Wood Measurement

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Group Discussion ● Demonstrations ● Education Class ● Other 2 (Collaborative or Cooperative Eff) ● One-on-One Intervention ● Other 1 (Applied Research) ● Workshop 	<ul style="list-style-type: none"> ● Other 1 (Publication)

3. Description of targeted audience

•Natural Resource Professional (Adult) •Agricultural Producers (Adult) •Business Owners - current (Adult) •Business Owners - potential (Adult) •Employees (Adult) •Forestland Managers (Adult) •Forestland Owner - 2 to 10 acres (Adult) •Forestland Owner - Non-Industrial (Adult) •General Public (Adult) •Habitat Stewards (Adult) •Homeowners - up to 2 acres (Adult) •Student (Adult) •Habitat Stewards (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	5580	120276	42	0
2010	5550	120276	42	0
2011	493	275	42	0
2012	493	275	42	0
2013	493	275	42	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - Consultation; phone, written, in-person

2009 :30 2010 :30 2011 :30 2012 :30 2013 :30

- Direct - Course

2009 :1 2010 :1 2011 :0 2012 :0 2013 :0

- Direct - Group Presentation

2009 :5 2010 :5 2011 :5 2012 :5 2013 :5

- Direct - Public Presentation

2009 :12	2010 :12	2011 :12	2012 :12	2013 :12
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- Direct - Train-the-Trainer

2009 :1	2010 :1	2011 :1	2012 :1	2013 :1
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- Direct - Workshop - single session

2009 :100	2010 :100	2011 :100	2012 :100	2013 :100
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- Indirect - Publication

2009 6	2010 6	2011 :2	2012 2	2013 2
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- Indirect - Publication - fact sheet

2009 3	2010 2	2011 :2	2012 2	2013 2
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V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt appropriate practices
2	Adopt appropriate technologies
3	Conduct community service or outreach
4	Improve cover or shelter for wildlife
5	Improve food availability for wildlife
6	Improve water availability for wildlife
7	Increase purchase of Maine products
8	Increase use of Maine-produced natural resources
9	Make better decision regarding natural resource management
10	Make better decisions using science and technology skills
11	Protect or conserve biodiversity and habitat including native plant and animal species
12	Reduce pesticide use
13	Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)
14	Use relevant UMCE web-based resources
15	Use services of natural resource professionals
16	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
17	Increase the economic and social viability and sustainability of Maine communities.
18	Protect and enhance Maine's natural resources and environment through sustainable stewardship.
19	Describe record keeping and record keeping systems
20	Acres managed as wildlife habitat
21	Adopt new crop
22	Create demonstration model
23	Develop a marketing plan
24	Develop marketing tools
25	Develop new products
26	Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
27	Expand and enhance markets
28	Grow trialed plants
29	Increase demand for Maine products
30	Secure resources
31	Test new production techniques
32	Use new technologies
33	Improve crop quality and marketability
34	Increase profits by at least 10%

Outcome #1**1. Outcome Target**

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure**2009** 220**2010** : 230**2011** : 190**2012** :190**2013** :190**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

Outcome #2**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

Outcome #3**1. Outcome Target**

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure**2009 :**40**2010 :** 50**2011 :** 60**2012 :** 60**2013 :**60**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #4**1. Outcome Target**

Improve cover or shelter for wildlife

2. Outcome Type : Change in Action Outcome Measure**2009 :**150**2010 :** 150**2011 :** 150**2012 :**150**2013 :**150**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife

Outcome #5**1. Outcome Target**

Improve food availability for wildlife

2. Outcome Type : Change in Action Outcome Measure**2009 :**150**2010 :** 150**2011 :** 150**2012 :**150**2013 :**150**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife

Outcome #6**1. Outcome Target**

Improve water availability for wildlife

2. Outcome Type : Change in Action Outcome Measure**2009 :**100**2010 :** 100**2011 :** 100**2012 :**100**2013 :**100**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife

Outcome #7**1. Outcome Target**

Increase purchase of Maine products

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #8**1. Outcome Target**

Increase use of Maine-produced natural resources

2. Outcome Type : Change in Action Outcome Measure**2009** :55**2010** : 55**2011** : 55**2012** : 55**2013** :55**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #9**1. Outcome Target**

Make better decision regarding natural resource management

2. Outcome Type : Change in Action Outcome Measure**2009** :160**2010** : 170**2011** : 80**2012** : 80**2013** :80**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 136 - Conservation of Biological Diversity

Outcome #10**1. Outcome Target**

Make better decisions using science and technology skills

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 0**2012** : 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

Outcome #11**1. Outcome Target**

Protect or conserve biodiversity and habitat including native plant and animal species

2. Outcome Type : Change in Action Outcome Measure**2009** :120**2010** : 120**2011** : 120**2012** :120**2013** :120**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 136 - Conservation of Biological Diversity

Outcome #12**1. Outcome Target**

Reduce pesticide use

2. Outcome Type : Change in Action Outcome Measure**2009** :150**2010** : 150**2011** : 150**2012** :150**2013** :150**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 136 - Conservation of Biological Diversity

Outcome #13**1. Outcome Target**

Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)

2. Outcome Type : Change in Action Outcome Measure**2009** :15**2010** : 15**2011** : 15**2012** :15**2013** :15**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #14**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** 610**2010** : 610**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

Outcome #15**1. Outcome Target**

Use services of natural resource professionals

2. Outcome Type : Change in Action Outcome Measure**2009** 240**2010** : 240**2011** : 40**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #16**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

Outcome #17**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

Outcome #18**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation

- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

Outcome #19**1. Outcome Target**

Describe record keeping and record keeping systems

2. Outcome Type : Change in Knowledge Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry
- 136 - Conservation of Biological Diversity

Outcome #20**1. Outcome Target**

Acres managed as wildlife habitat

2. Outcome Type : Change in Action Outcome Measure**2009** 2000**2010** : 2000**2011** : 2000**2012** 2000**2013** :2000**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 124 - Urban Forestry

Outcome #21**1. Outcome Target**

Adopt new crop

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #22**1. Outcome Target**

Create demonstration model

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources

Outcome #23**1. Outcome Target**

Develop a marketing plan

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :0**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #24**1. Outcome Target**

Develop marketing tools

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #25**1. Outcome Target**

Develop new products

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 125 - Agroforestry

Outcome #26**1. Outcome Target**

Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 125 - Agroforestry

Outcome #27**1. Outcome Target**

Expand and enhance markets

2. Outcome Type : Change in Action Outcome Measure**2009** :5**2010** : 5**2011** : 5**2012** :5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #28**1. Outcome Target**

Grow trialed plants

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 136 - Conservation of Biological Diversity

Outcome #29**1. Outcome Target**

Increase demand for Maine products

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #30**1. Outcome Target**

Secure resources

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #31**1. Outcome Target**

Test new production techniques

2. Outcome Type : Change in Action Outcome Measure**2009** :5**2010** : 5**2011** : 5**2012** :5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

Outcome #32**1. Outcome Target**

Use new technologies

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 50**2011** : 0**2012** : 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

Outcome #33**1. Outcome Target**

Improve crop quality and marketability

2. Outcome Type : Change in Action Outcome Measure

2009 :10

2010 : 10

2011 : 10

2012 :10

2013 :10

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 125 - Agroforestry

Outcome #34**1. Outcome Target**

Increase profits by at least 10%

2. Outcome Type : Change in Action Outcome Measure

2009 :10

2010 : 10

2011 : 10

2012 :10

2013 :10

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 125 - Agroforestry
- 134 - Outdoor Recreation

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Economy
- Natural Disasters (drought,weather extremes,etc.)
- Public Policy changes
- Competing Programmatic Challenges
- Competing Public priorities
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)
- Government Regulations

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- Comparisons between program participants (individuals,group,organizations) and non-participants
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

Description

Intentions for short-term evaluation: Pre- and post-event evaluation instruments as well as retrospective evaluation instruments will be used to measure knowledge gained and skills learned.

Intentions for medium-term evaluation: Evaluation of changes in behavior, practice, decision-making, policy, and social

action; evaluation of changes in civic engagement.

Intentions for long-term evaluation: Research on the long-term impact of changes in social, civic, organizational, economic, and environmental conditions.

2. Data Collection Methods

- Telephone
- Structured
- Other (Email/Web surveys)
- Case Study
- Mail

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #11****1. Name of the Planned Program**

Health Literacy, Disease, and Our Health Care System

2. Brief summary about Planned Program

Maine has a higher incidence of preventable and chronic disease than many other states, many of which involve elders in our communities. Using an asset-based community development model, communities will assess their readiness to support the health and well-being of elders and develop an action plan to address issues that arise. The Senior Companion Program focuses on developing relationships and networks that support independent living for elders.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
802	Human Development and Family Well-Being	20%		20%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	15%		15%	
805	Community Institutions, Health, and Social Services	65%		65%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

The Year 2000 Blue Ribbon Commission on Health Care in Maine submitted reported that (1) the health care delivery and financing system is inefficient, unreasonably complicated, and unfair, (2) people in Maine are not as healthy as they could be, and efforts to improve health status are inadequate, and (3) many in Maine are unable to obtain health care of the type and quality that they need.[i]

Chronic Disease: The Centers for Disease Control and Prevention (CDC) data indicates that Maine has the fourth highest percentage of people in the U.S. who die from cardiovascular disease, cancer, chronic lung disease and diabetes.[ii]

Health Literacy: Health literacy is defined as the degree to which individuals have the capacity to obtain, process and understand basic health information and services needed to make appropriate health decisions. The U.S. Department of Education's 2002 National Adult Literacy Survey indicated that about 90 million adults in the U.S. have marginal or inadequate literacy skills.[iii] Given that most health education materials are written at the 10th grade level or above, alternative teaching methods and materials with lower reading levels must be developed.

Accidental Injury: The third leading cause of death for all Maine people age 85 and younger is injury. Research indicates that injuries can be prevented by educating people about hazards and risk management, as well as about using safe practices and technology, such as seatbelts and airbags.[iv]

[i] Year 2000 Blue Ribbon Commission on Health Care, "The Cost of Health Care in Maine-An analysis of health care costs, factors that contribute to rising costs, and some potential approaches to stabilize costs," www.mdf.org/chc/basics2.htm (accessed January 2001), now located at http://www.mdf.org/past_initiatives/final2000.html (accessed August 2004).

[ii] Mills, Longer and Healthier Lives, 19-20.

[iii] U.S. Department of Health and Human Services. "Health Communication."

[iv] USDA CSREES, "Healthy People... Healthy Communities Plan of Action."

2. Scope of the Program

- Integrated Research and Extension
- In-State Extension
- In-State Research
- Multistate Integrated Research and Extension
- Multistate Research

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Potential societal impacts and consequences in Maine if this topic is not addressed include:

•Life expectancy decreases. •Health-related quality of life deteriorates, as measured by self assessments, reported "unhealthy days" per unit time, and years of life spent with chronic or acute limitations. •Health disparities continue: some have access to health-care programs and services and others do not. •Individual, family, community and governmental health-care costs and stress continue to rise.

2. Ultimate goal(s) of this Program

•Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	1.1	0.0	0.4	0.0
2010	1.1	0.0	0.4	0.0
2011	1.1	0.0	0.4	0.0
2012	1.1	0.0	0.4	0.0
2013	0.8	0.0	0.4	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•Senior Companion Program Training •Applied Research - Senior Training and Technical Assistance •Health Related (publication) •Health Related (refereed journal article)

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> Other 1 (Applied Research) Education Class Other 2 (Collaborative or Cooperative Eff) 	<ul style="list-style-type: none"> Other 1 (Applied Research)

3. Description of targeted audience

•Community Leaders (Adult) •Community Members (Adult) •Extension - all staff (Adult) •Senior Companion Program Clients (Adult) •Senior Companion Program Volunteers (Adult)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	335	0	0	0
2010	345	0	0	0
2011	365	0	0	0
2012	375	0	0	0
2013	375	0	0	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - Applied Research

2009 :1 2010 :1 2011 :1 2012 :1 2013 :1

- Direct - Volunteer Training

2009	50	2010	50	2011	.50	2012	50	2013	50
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- Indirect - Applied Research

2009	.1	2010	.1	2011	.1	2012	.1	2013	.1
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V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt effective communication skills
2	Develop relationships that support independent living
3	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
4	Increase the economic and social viability and sustainability of Maine communities.
5	Assess community needs
6	Develop a shared vision for the future
7	Facilitate planning and decision-making processes that create and sustain healthy communities
8	Inventory community assets

Outcome #1**1. Outcome Target**

Adopt effective communication skills

2. Outcome Type : Change in Action Outcome Measure

2009 :75

2010 : 75

2011 : 75

2012 :75

2013 :75

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #2**1. Outcome Target**

Develop relationships that support independent living

2. Outcome Type : Change in Action Outcome Measure

2009 :75

2010 : 75

2011 : 75

2012 :75

2013 :75

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #3**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2009 :0

2010 : 0

2011 : 0

2012 :0

2013 :0

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #4**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2009 : 0	2010 : 0	2011 : 0	2012 : 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #5**1. Outcome Target**

Assess community needs

2. Outcome Type : Change in Action Outcome Measure

2009 : 20	2010 : 20	2011 : 20	2012 : 20	2013 : 20
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

Outcome #6**1. Outcome Target**

Develop a shared vision for the future

2. Outcome Type : Change in Action Outcome Measure

2009 : 10	2010 : 10	2011 : 10	2012 : 10	2013 : 10
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #7**1. Outcome Target**

Facilitate planning and decision-making processes that create and sustain healthy communities

2. Outcome Type : Change in Action Outcome Measure

2009 : 10	2010 : 10	2011 : 10	2012 : 10	2013 : 10
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

Outcome #8**1. Outcome Target**

Inventory community assets

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Government Regulations
- Natural Disasters (drought,weather extremes,etc.)
- Appropriations changes
- Competing Public priorities
- Public Policy changes
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programmatic Challenges
- Economy

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- During (during program)
- Retrospective (post program)
- Before-After (before and after program)

Description

A short-term evaluation will document activities and project outcomes or products using surveys of participants, educator and aide observations, community meeting notes, researcher observation, and researcher journal.

A mid-term evaluation will document changes in civic engagement, community development practice, decision-making approach, policy analysis, social action, changes in communication to participants, and participant behaviors regarding independence.

A long-term evaluation will investigate the impact of changes in social, civic, organizational, economic and environmental conditions using, but not limited to, retrospective evaluation techniques.

2. Data Collection Methods

- On-Site
- Mail
- Structured
- Other (Email/Web Surveys)
- Observation
- Journals

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #12****1. Name of the Planned Program**

Healthy Lifestyles

2. Brief summary about Planned Program

Better lifestyle habits can profoundly improve quality of life. Healthy living can prevent diseases and certain disabilities, and can ensure that you not only live longer, but also better. Important elements include eating habits, physical activity, interpersonal skills, parenting skills, financial literacy, food security, and more. These issues will be addressed by engaging children, youth, adults, and families in programs that support healthy lifestyles. Eat Well Nutrition, Senior Companion Program, Techni-Kids on the Move, 4-H After school, Parents Are Teachers Too, and Cooking for a Crowd are a few examples of the multi-faceted approach being used.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
703	Nutrition Education and Behavior	50%		50%	
724	Healthy Lifestyle	10%		10%	
801	Individual and Family Resource Management	10%		10%	
802	Human Development and Family Well-Being	20%		20%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%		10%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Overweight and obesity have reached epidemic proportions in Maine and the United States. In 1999-2000, an estimated 65 percent of U.S. adults were either overweight or obese.[i] Overweight is defined as having a Body Mass Index (BMI) of 25 to 30. A person with a BMI of over 30 is categorized as obese. If the current trend toward overweight continues, 40 percent of Maine's population will be obese by the year 2010.[ii] In the past, we have thought of overweight as being an adult problem, but national studies show that the percentage of children who are overweight has doubled in the past two decades, from seven to 15 percent, and the percentage of adolescents who are overweight has tripled, from five to 16 percent in the same period.[iii]

The Maine Department of Human Services reported the results of the annual Youth Risk Behavior Survey (YRBS)*, showing that 15 percent of kindergartners and 13 percent of middle and high school students are overweight. The percentage of children of different ages who were at risk of being overweight ranged from 15 to 21 percent, with the greatest risk among the youngest children.[iv]

Being physically active can improve health. The latest survey of healthy habits showed that 76 percent of Maine adults do not engage in moderate physical activity for 30 minutes or more at least five days a week, and 38 percent of Maine high school students who were surveyed had not exercised vigorously three or more days during the previous week.[v]

Obesity shows nutrient imbalance and often lack of a nutritious diet. In Maine, as in the nation, food insecurity is rampant (lack of adequate food from normal vending sources or channels). In FY03, at least one in five citizens participated in at least one of USDA's 15 food assistance programs.[vi] The USDA's Food Stamp Program, National School Breakfast and Lunch Programs, Special Supplemental Nutrition Program for Women, Infant and Children's Program (WIC), Child and Adult Care Food Program, and Emergency Food Assistance Program, as well as the UMaine Extension Eat Well Program, increase adequate food supplies for low-income citizens and provide education to improve dietary selections. The average monthly participation in the Food Stamp Program by Maine citizens during FY02 was 111,147 people.[vii]

[i] Centers for Disease Control (CDC) National Center for Health Statistics (NCHS), Health E-Stats, Health, United States, 2002 Table 70: Healthy weight, overweight, and obesity among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960-62, 1971-74, 1976-80, 1988-94, and 1999-2000, on "Prevalence of Overweight and Obesity Among Adults: United States, 1999-2000" Web page, <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/obese/obse99.htm> (accessed August 2004).

[ii] U.S. Department of Health and Human Services (U.S. HHS), presentation by the Centers for Disease Control and Prevention at the annual meeting of the North American Association for the Study of Obesity (October 2003).

[iii] Centers for Disease Control (CDC) National Center for Health Statistics (NCHS), Health E-Stats, Health, United States, 2002 Table 71: Overweight children and adolescents 6-19 years of age, according to sex, age, race, and Hispanic origin: United States, selected years 1963-65 through 1999-2000, on "Prevalence of Overweight and Obesity Among Adults: United States, 1999-2000" Web page, <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/overwght99.htm> (accessed August 2004).

[iv] Tippy, Kathy, Maine Child and Youth Weight Status Fact Sheet, Bureau of Health, Maine Department of Human Services.

[v] Maine Department of Human Services (Maine DHS), Healthy Maine 2001: A Report Card on Maine's Leading Health Indicators, 15

[vi] USDA Economic Research Service, Key Topics, "Food and Nutrition Assistance Programs," <http://www.ers.usda.gov/Topics/view.asp?T=102600>

[vii] Food Research and Action Center, State of the States 2003, (Washington, DC: FRAC, 2003), <http://www.frac.org/pdf/sos2003/me.pdf>.

2. Scope of the Program

- Multistate Integrated Research and Extension
- Integrated Research and Extension
- In-State Research
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Healthy Maine 2001: A Report Card On Maine's Leading Health Indicators reported that overweight and obesity both have risen 40 percent in the last ten years. Being overweight or obese increases one's chances of high blood pressure, high cholesterol, type 2 diabetes, heart disease, stroke, gall bladder disease, arthritis, sleep disorders, and cancers of the breast, prostate, colon and endometrium. Currently 70 percent of Maine people die from only four diseases: heart disease and stroke, cancer, lung disease, and type 2 diabetes. In 2001, the estimated annual cost of obesity in the U.S. was \$123 billion, up \$6 billion from the year before. Hospital stays for children and adolescents for obesity related events cost an estimated 127 million.

[i]

[i] Guijing Wang and William H. Dietz, "Economic Burden of Obesity in Youths Aged 6 to 17 Years: 1979-1999," *Pediatrics* 109, no. 5 (2002): e81. [Cost during 1997-1999 in 2001 constant U.S. Dollars].

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Enhance the safety, sustainability, and dependability of Maine's food supply. •Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and

sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	8.4	0.0	0.8	0.0
2010	8.4	0.0	0.6	0.0
2011	8.3	0.0	0.6	0.0
2012	8.3	0.0	0.6	0.0
2013	7.9	0.0	0.6	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•3-5 I'm in charge •4-H Animal Clinics and Fairs •4-H Club Program •4-H Out of School Programs •4-H Statewide Special Events •Babysitter's Training •Body Image and Dieting in Youth •Building the Capacity of Parenting Educators •Building the Capacity of Senior Companion Program Aides •Bullying Prevention •Consultations - Health Issues •Cooking for a Crowd •Developing Skills for Diverse Learning Abilities •Diabetes: Eating Matters •Dietary Guidelines for Americans, 2005 and MyPyramid Food Guidance System Presentations •Dietary Guidelines for Americans, 2005 and MyPyramid Food Guidance System Publications •Educational Opportunities for All Learning Styles •Effective Partnerships •EFNEP Food Resource Management •EFNEP Nutrition Practices •EFNEP Physical Activity •Extension Homemakers •Food Safety and Nutrition Workshops, Newsletters, Consultations •Food Safety and Preservation Workshop •Food Safety Public Presentations •Gender Project- Media Literacy Workshops •Gender Project: Media Literacy Publication •Health and Nutrition (Display or Exhibit) •Health and Nutrition (Group Presentation) •Health and Nutrition (Train the trainer) •Health and Nutrition (Workshops) •Healthy Eating Sessions •Healthy Lifestyles - Media Literacy •Healthy Lifestyles Public Presentation •Home Visits With New Parents •Keeping Healthy Records •Maine Family Nutrition Program Education Materials •Maine Family Nutrition Program Food Resource Management •Maine Family Nutrition Program Nutrition Practices •Maine Family Nutrition Program Physical Activity •Methods of Cooking For Health •Money Sense Newsletter •MyPyramid Fact Sheet Series •Nutrition Related (publications) •Nutrition Workshop •Nutrition Workshops - MyPyramid •Nutrition Related (refereed journal article) •Nutrition, Food and Physical Activity Symposium •Parenting Education in Knox and Waldo Counties •Professional Development for Home Visitors •Seasonal Fluid Intake Study •Senior Companion Program •Summer Youth Day Camp •Techni-Kids on the Move! and Moving Matters •The Heart Truth Campaign: Serious Messages about Women and Heart Disease •Tractor Safety Training •Wellness Matters and Nutrition Notions newsletter •Wellness Matters: Including Dietary Guidelines for Americans and MyPyramid •Wellness Sessions •Youth Related (publication) •Youth Related (refereed journal article)

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> Other 1 (Train-the-Trainer) Other 2 (Collaborative or Cooperative Eff) One-on-One Intervention Workshop Group Discussion Education Class 	<ul style="list-style-type: none"> Newsletters Other 1 (Publication)

3. Description of targeted audience

•4-H Leaders (Adult) •4-H Volunteers (Adult) •Agency Staff or Professionals (Adult) •Agricultural Producers (Adult)

•Care Providers for Children (Adult) •Coalition Members (Adult) •Community Leaders (Adult) •Community Members (Adult) •Community Organization Members or Staff (Adult) •Extension Homemakers (Adult) •Families (Adult) •Food Stamp Recipients (Adult) •General Public (Adult) •Health Care Providers (Adult) •Home Gardeners (Adult) •Limited Income Public (Adult) •Nutrition Aides (Adult) •Parent Educators (Adult) •Parents (Adult) •Senior Companion Program Staff (Adult) •Senior Companion Program Volunteers (Adult) •Teachers (Adult) •Volunteers (Adult) •Working Waterfront Industry Owners (Adult) •Youth Educators (Adult) •4-H Community or Project Clubs Participants (Youth) •4-H Members (Youth) •4-H Special Interest or Short-Term Program Participants (Youth) •Community Members (Youth) •Consumers (Adult) •Consumers (Youth) •Day Camp Participants (Youth) •Food Stamp Youth (Youth) •General Public (Youth) •Limited Income Public (Youth) •Students (Youth) •Youth (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	13000	3800	22500	50
2010	13000	3900	22700	50
2011	13000	3900	22750	50
2012	13000	4000	22800	20
2013	13000	4000	22800	20

2. (Standard Research Target) Number of Patent Applications Submitted

Expected Patent Applications

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - 4-H Day Camp

2009 :15 2010 :15 2011 :15 2012 :15 2013 :15

- Direct - 4-H School Enrichment

2009 :4 2010 :5 2011 :5 2012 :5 2013 :5

- Direct - Collaborative or Cooperative Effort

2009 :10100	2010 :10100	2011 :10100	2012 :10100	2013 :10100
● Direct - Consultation; phone, written, in-person				
2009 :22100	2010 :22100	2011 :22100	2012 :22100	2013 :22100
● Direct - Course				
2009 :1	2010 :1	2011 :1	2012 :1	2013 :1
● Direct - Group Presentation				
2009 :16	2010 :11	2011 :11	2012 :11	2013 :11
● Direct - Public Presentation				
2009 :30	2010 :30	2011 :30	2012 :30	2013 :30
● Direct - Train-the-Trainer				
2009 :10	2010 :12	2011 :12	2012 :12	2013 :12
● Direct - Workshop - series				
2009 :33	2010 :33	2011 :33	2012 :32	2013 :32
● Direct - Workshop - single session				
2009 :29	2010 :27	2011 :23	2012 :23	2013 :23
● Indirect - Display or Exhibit				
2009 :2	2010 :2	2011 :2	2012 :2	2013 :2
● Indirect - Publication - newsletter				
2009 :13	2010 :13	2011 :13	2012 :13	2013 :13
● Direct - 4-H Club - Project				
2009 :9	2010 :9	2011 :9	2012 :9	2013 :9
● Direct - 4-H After School				
2009 :3	2010 :5	2011 :7	2012 :9	2013 :9
● Direct - 4-H Club - Community				
2009 :14	2010 :15	2011 :18	2012 :18	2013 :18
● Direct - 4-H Overnight Camp				
2009 :5	2010 :5	2011 :5	2012 :5	2013 :5
● Direct - Applied Research				
2009 :1	2010 :1	2011 :10	2012 :10	2013 :10

- Indirect - Publication - refereed journal article

2009 :1	2010 :1	2011 :1	2012 :1	2013 :1
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V(I). State Defined Outcome

O. No	Outcome Name
1	Develop literacy and critical thinking skills
2	Develop skills that promote healthy relationships
3	Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program
4	Express good feeling about self
5	Integrate regular physical activity into daily life
6	Keep accurate records
7	Make better decisions
8	Make better decisions regarding health and health care
9	Make better decisions regarding healthy lifestyle
10	Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills
11	Manage family resources in alignment with goals
12	Model positive group behavior to others
13	Practice safety
14	Provide learning opportunities for groups or organizations
15	Provide training and technical assistance in analyzing and assessing community health issues and policies
16	Reduce or eliminate gender stereotyping
17	Teach others to take leadership and facilitation roles
18	Treat all people with dignity and respect
19	Use relevant UMCE web-based resources
20	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
21	Enhance the safety, sustainability, and dependability of Maine's food supply
22	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
23	Increase the economic and social viability and sustainability of Maine communities.
24	Adopt behaviors to prevent or minimize complications of chronic disease
25	Adopt food safety practices
26	Adopt record-keeping system
27	Adopt the USDA dietary guidelines and the food guide pyramid
28	Assume personal responsibility for health
29	Conduct community-based education that encourages healthy individual and family behaviors
30	Confront disrespectful behaviors
31	Create learning opportunities based on principles of positive human development
32	Avoid consumer fraud and financial exploitation
33	Conduct educational activities through cooperative or collaborative effort
34	Create and sustain effective partnerships and collaborations
35	Use a collaborative process or approach
36	Adopt appropriate technologies
37	Balance roles, responsibilities, and stress
38	Conduct community service or outreach
39	Dollars saved
40	Engage positively in their community
41	Handle animals safely
42	Increase capacity to establish goals or make decisions
43	Operate equipment safely
44	Work productively in a team

Outcome #1**1. Outcome Target**

Develop literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure

2009 :200	2010 : 200	2011 : 200	2012 :200	2013 :200
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #2**1. Outcome Target**

Develop skills that promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2009 :180	2010 : 180	2011 : 180	2012 :180	2013 :180
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #3**1. Outcome Target**

Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program

2. Outcome Type : Change in Action Outcome Measure

2009 :10000	2010 : 10000	2011 : 10000	2012 :10000	2013 :10000
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

Outcome #4**1. Outcome Target**

Express good feeling about self

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :0**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #5**1. Outcome Target**

Integrate regular physical activity into daily life

2. Outcome Type : Change in Action Outcome Measure**2009** 280**2010** : 280**2011** : 280**2012** 280**2013** :280**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

Outcome #6**1. Outcome Target**

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure**2009** 210**2010** : 205**2011** : 205**2012** 205**2013** :205**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

Outcome #7**1. Outcome Target**

Make better decisions

2. Outcome Type : Change in Action Outcome Measure**2009** 300**2010** : 300**2011** : 300**2012** 300**2013** :300**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #8**1. Outcome Target**

Make better decisions regarding health and health care

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #9**1. Outcome Target**

Make better decisions regarding healthy lifestyle

2. Outcome Type : Change in Action Outcome Measure**2009** 6750**2010** : 6750**2011** : 6750**2012** 6750**2013** :6750**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

Outcome #10**1. Outcome Target**

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

Outcome #11**1. Outcome Target**

Manage family resources in alignment with goals

2. Outcome Type : Change in Action Outcome Measure**2009** 5575**2010** : 5575**2011** : 5575**2012** 5575**2013** :5575**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

Outcome #12**1. Outcome Target**

Model positive group behavior to others

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #13**1. Outcome Target**

Practice safety

2. Outcome Type : Change in Action Outcome Measure**2009** 90**2010** : 90**2011** : 90**2012** 90**2013** :90**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #14**1. Outcome Target**

Provide learning opportunities for groups or organizations

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #15**1. Outcome Target**

Provide training and technical assistance in analyzing and assessing community health issues and policies

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

Outcome #16**1. Outcome Target**

Reduce or eliminate gender stereotyping

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 50**2011** : 50**2012** :50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #17**1. Outcome Target**

Teach others to take leadership and facilitation roles

2. Outcome Type : Change in Action Outcome Measure**2009** :13**2010** : 13**2011** : 13**2012** :13**2013** :13**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #18**1. Outcome Target**

Treat all people with dignity and respect

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 50**2011** : 50**2012** :50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #19**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** :955**2010** : 955**2011** : 955**2012** :955**2013** :955**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #20

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #21

1. Outcome Target

Enhance the safety, sustainability, and dependability of Maine's food supply

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #22

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #23**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #24**1. Outcome Target**

Adopt behaviors to prevent or minimize complications of chronic disease

2. Outcome Type : Change in Action Outcome Measure

2009 :105	2010 : 105	2011 : 105	2012 :105	2013 :105
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #25**1. Outcome Target**

Adopt food safety practices

2. Outcome Type : Change in Action Outcome Measure

2009 :5500	2010 : 5500	2011 : 5500	2012 5500	2013 :5500
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

Outcome #26**1. Outcome Target**

Adopt record-keeping system

2. Outcome Type : Change in Action Outcome Measure**2009** :150**2010** : 200**2011** : 200**2012** 200**2013** :200**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #27**1. Outcome Target**

Adopt the USDA dietary guidelines and the food guide pyramid

2. Outcome Type : Change in Action Outcome Measure**2009** :1270**2010** : 1270**2011** : 1270**2012** :1270**2013** :1270**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

Outcome #28**1. Outcome Target**

Assume personal responsibility for health

2. Outcome Type : Change in Action Outcome Measure**2009** :140**2010** : 90**2011** : 90**2012** 90**2013** :90**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

Outcome #29**1. Outcome Target**

Conduct community-based education that encourages healthy individual and family behaviors

2. Outcome Type : Change in Action Outcome Measure**2009** :130**2010** : 130**2011** : 130**2012** :130**2013** :130**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being

Outcome #30**1. Outcome Target**

Confront disrespectful behaviors

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #31**1. Outcome Target**

Create learning opportunities based on principles of positive human development

2. Outcome Type : Change in Action Outcome Measure**2009** #485**2010** : 485**2011** : 485**2012** #485**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

Outcome #32**1. Outcome Target**

Avoid consumer fraud and financial exploitation

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 25**2011** : 25**2012** 25**2013** :25**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #33**1. Outcome Target**

Conduct educational activities through cooperative or collaborative effort

2. Outcome Type : Change in Action Outcome Measure**2009** 8**2010** : 8**2011** : 8**2012** 8**2013** :8**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #34**1. Outcome Target**

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure

2009 :16 2010 : 16 2011 : 16 2012 :16 2013 :16

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #35**1. Outcome Target**

Use a collaborative process or approach

2. Outcome Type : Change in Action Outcome Measure

2009 :18 2010 : 18 2011 : 18 2012 :18 2013 :18

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #36**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2009 :30 2010 : 30 2011 : 30 2012 :30 2013 :30

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #37**1. Outcome Target**

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #38**1. Outcome Target**

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure**2009** :75**2010** : 75**2011** : 90**2012** 90**2013** :90**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #39**1. Outcome Target**

Dollars saved

2. Outcome Type : Change in Action Outcome Measure**2009** :4000**2010** : 4500**2011** : 5000**2012** 5500**2013** :6000**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #40**1. Outcome Target**

Engage positively in their community

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** : 40**2011** : 50**2012** 60**2013** :60**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #41**1. Outcome Target**

Handle animals safely

2. Outcome Type : Change in Action Outcome Measure**2009** :120**2010** : 130**2011** : 130**2012** :130**2013** :130**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #42**1. Outcome Target**

Increase capacity to establish goals or make decisions

2. Outcome Type : Change in Action Outcome Measure**2009** :75**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #43**1. Outcome Target**

Operate equipment safely

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 40**2011** : 40**2012** :40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

- 724 - Healthy Lifestyle

Outcome #44**1. Outcome Target**

Work productively in a team

2. Outcome Type : Change in Action Outcome Measure**2009** 95**2010** : 95**2011** : 110**2012** :110**2013** :110**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Public Policy changes
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programmatic Challenges
- Economy
- Natural Disasters (drought,weather extremes,etc.)
- Government Regulations
- Competing Public priorities

Description**V(K). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)
- Retrospective (post program)

Description

A short-term evaluation will document activities and project outcomes or products using surveys of participants, educator and aide observations, community meeting notes, researcher observation, and researcher journal.

A mid-term evaluation will document changes in civic engagement, community development practice, decision-making approach, policy analysis, social action, changes in communication to participants, and participant behaviors regarding independence.

A long-term evaluation will investigate the impact of changes in social, civic, organizational, economic and environmental conditions using, but not limited to, retrospective evaluation techniques.

2. Data Collection Methods

- Observation
- Journals
- On-Site
- Structured
- Other (Email/Web Surveys)
- Mail

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #13****1. Name of the Planned Program**

Administrative Plan of Work; Planning and Supervision

2. Brief summary about Planned Program

Inputs related to administrative contributions to the University of Maine Cooperative Extension Plan of Work.

3. Program existence : New (One year or less)**4. Program duration :** Long-Term (More than five years)**5. Expending formula funds or state-matching funds :** Yes**6. Expending other than formula funds or state-matching funds :** No**V(B). Program Knowledge Area(s)****1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
902	Administration of Projects and Programs	100%		100%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

This Planned Program captures effort related to planning and supervision of Plan of Work activities.

2. Scope of the Program

- Multistate Extension
- In-State Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)**1. Assumptions made for the Program**

This Planned Program captures effort related to planning and supervision of Plan of Work activities.

2. Ultimate goal(s) of this Program

"Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

"Increase the economic and social viability and sustainability of Maine communities.

"Enhance the safety, sustainability, and dependability of Maine's food supply;

"Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

"Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2009	7.0	0.0	0.4	0.0
2010	7.0	0.0	0.3	0.0
2011	7.0	0.0	0.4	0.0
2012	7.0	0.0	0.3	0.0
2013	7.0	0.0	0.3	0.0

V(F). Planned Program (Activity)**1. Activity for the Program**

- POW supervision and administration

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 2 (Staff Training) ● Other 1 (Supervision) 	<ul style="list-style-type: none"> ● Other 1 (External Staff Development)

3. Description of targeted audience

- Extension - all staff (Adult)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	150	0	0	0
2010	150	0	0	0
2011	150	0	0	0
2012	150	0	0	0
2013	150	0	0	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0

2010 :0

2011 :0

2012 :0

2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs

1. Output Target

- {NO DATA ENTERED}
- {NO DATA ENTERED}

{NO DATA ENTERED}

{NO DATA ENTERED}

{NO DATA ENTERED}

{NO DATA ENTERED}

V(I). State Defined Outcome

O. No	Outcome Name
1	Extension staff will conduct needs based educational outreach according to specific 5 year plans of work.

Outcome #1

1. Outcome Target

Extension staff will conduct needs based educational outreach according to specific 5 year plans of work.

2. Outcome Type : Change in Action Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 902 - Administration of Projects and Programs

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Public priorities
- Public Policy changes
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)
- Economy
- Government Regulations
- Natural Disasters (drought,weather extremes,etc.)

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Other (Merit Review Process)
- During (during program)

Description

{NO DATA ENTERED}

2. Data Collection Methods

- Structured
- Other (Performance Reviews; Facilitate)
- Observation

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

Program #14

1. Name of the Planned Program

Home Horticulture

2. Brief summary about Planned Program

In the past 10 years there have been huge increases in the numbers of people engaged in indoor and outdoor gardening in Maine. This has been paralleled by the growth of horticultural enterprises throughout the state. Workshops, conferences, demonstrations, consultations, fact sheets, and websites are used to deliver programs, including Master Gardener, Kids Can Grow, and Plant-a-Row for the Hungry, to diverse audiences. Participants gain knowledge and skills in decreasing pesticide and water use, improving urban wildlife habitat, avoiding non-native invasive species, and incorporating native woody ornamentals into their landscapes, among other topics.

3. Program existence : Mature (More then five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	20%		20%	
111	Conservation and Efficient Use of Water	10%		10%	
112	Watershed Protection and Management	5%		5%	
132	Weather and Climate	5%		5%	
133	Pollution Prevention and Mitigation	5%		5%	
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants	10%		10%	
206	Basic Plant Biology	30%		30%	
213	Weeds Affecting Plants	5%		5%	
403	Waste Disposal, Recycling, and Reuse	5%		5%	
502	New and Improved Food Products	5%		5%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Nationally, eight out of ten households (approximately 84 million households) participated in one or more types of do-it-yourself indoor and outdoor lawn and gardening activities in 2003.[i] In Maine, growth in the environmental horticulture industry also reflects increased interest and participation in gardening activities. During the period from 1993 through 1998, the environmental horticulture industry grew by \$93 million in Maine and 115 new businesses were created.[ii] It is currently a \$286 million industry in Maine.

[i] National Gardening Association, "National Gardening Survey 2003," <http://www.garden.org/RSRCH/report.asp> (accessed July 2004).

[ii] L. Perry and L. B. Stack, \$4 billion and growing: a summary of the environmental horticulture industry's impact on the New England economy, (Natick, MA: New England Nursery Association, Inc., 2003).

2. Scope of the Program

- In-State Extension
- Multistate Integrated Research and Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Land development trends from the Maine State Planning Office indicate that we will experience continued urban/suburban growth through 2050[i]. It is therefore important that homeowner gardening and landscaping education continue, with an emphasis on reduced pesticide and water inputs as well as improved backyard habitats for wildlife. There are additional indicators of the continuing need for education in all areas of home horticulture:

•According to the Maine Board of Pesticides Control, 800,000 pounds of home-use pesticides were brought into Maine in 1995. In 2001, that figure rose to 1,800,000 pounds, an increase of over 200 percent.[ii] •We have dramatically increased our knowledge of potential problems with non-native, invasive plant species in recent years. However, Maine citizens continue to use these disruptive species in the managed landscape, indicating an urgent need for education in this area. •Food security continues to be a problem for many individuals and families in Maine. Recruiting more backyard gardeners into the Plant-A-Row for the Hungry program is one way to address this need.

[i] Maine State Planning Office, "Expansion of Development 1940-2050," <http://www.state.me.us/spo/landuse/resources/sprawl.php> (accessed July 2004).

[ii] Gary Fish, certification specialist, Maine Board of Pesticides Control (e-mail message, June 12, 2004).

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Enhance the safety, sustainability, and dependability of Maine's food supply. •Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and sustainability of Maine communities. •Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	7.5	0.0	0.1	0.0
2010	7.5	0.0	0.1	0.0
2011	7.5	0.0	0.1	0.0
2012	6.9	0.0	0.1	0.0
2013	7.0	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•Central Maine Garden Celebration •Community Programs on Home Horticulture Topics •Consultations on Consumer and Commercial Horticulture Topics •Consumer Horticulture Field Day •Consumer Horticulture Programming •Demonstration Gardens •Demonstration Plantings •Garden Angel Program •Garden Club Presentations •Garden Publications •Garden to Garden Program •Gardening Web Site •Growing Tree Fruits in Maine •Hazardous Waste Collection •Hobby Orchard Consultations •Hobby Orchard Presentations •Home Gardening, Composting and Pest Management. •Horticulture Related (publication) •Horticulture Related (refereed journal article) •Kids Can Grow •Maine Garden Day •Maine State Prison Vocational Horticulture Program •Maine Tree Club Outing •Maine Tree Club Publications •Master Gardener Newsletter •Master Gardener Program •Master Gardener Training •Master Gardener Volunteer Time •Master Gardener Volunteer Training •Native Woody Plants for Maine Landscapes •Piscataquis Gardening Newsletter •Small Fruit and Vegetable Fact Sheets •Solar Collection in Hoop Houses •Vegetable Fact Sheets

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Workshop ● Other 1 (Collaborative or Cooperative Eff) ● Other 2 (Conference or Symposium) ● Education Class ● One-on-One Intervention ● Demonstrations 	<ul style="list-style-type: none"> ● Other 1 (Publication - Fact Sheet) ● Web sites ● Newsletters

3. Description of targeted audience

•Adults with Disabilities (Adults) •Agency Staff or Professionals (Adult) •Agricultural Workers (Adult) •Commercial Vegetable Growers (Adult) •Community Members (Adult) •First-Time Gardeners (Adult) •General Public (Adult)
 •Green Industry Members (Adult) •Home Gardeners (Adult) •Homeowners (Adult) •Limited Income Public (Adult)
 •Master Gardener Trainees (Adult) •Master Gardener Volunteers (Adult) •4-H Special Interest or Short-Term Program Participants (Youth) •General Public (Youth) •Home Gardeners (Youth) •Master Gardener Volunteers (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	5600	4000	115	0
2010	5200	4000	135	0
2011	4750	4000	135	0
2012	4200	4000	100	0
2013	4200	4000	100	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0

2010 :0

2011 :0

2012 :0

2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - Collaborative or Cooperative Effort

2009 :1	2010 :1	2011 :1	2012 :1	2013 :1
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- Direct - Conference or symposium; Planning and/or participation

2009 :2	2010 :2	2011 :1	2012 :1	2013 :1
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- Direct - Consultation; phone, written, in-person

2009 :1125	2010 :1125	2011 :1125	2012 :1125	2013 :1125
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- Direct - Course

2009 :6	2010 :6	2011 :6	2012 :5	2013 :5
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- Direct - Demonstration Project

2009 :8	2010 :8	2011 :7	2012 :7	2013 :7
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- Direct - Experiential Learning

2009 :2	2010 :2	2011 :1	2012 :1	2013 :1
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- Direct - Public Presentation

2009 :35	2010 :35	2011 :35	2012 :35	2013 :35
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- Direct - Volunteer Training

2009 :30	2010 :20	2011 :20	2012 :20	2013 :20
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- Direct - Workshop - single session

2009 :5	2010 :5	2011 :5	2012 :5	2013 :5
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- Indirect - Publication - booklet

2009 :2	2010 :2	2011 :2	2012 :2	2013 :2
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- Indirect - Publication - fact sheet

2009 :16	2010 :16	2011 :16	2012 :16	2013 :16
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- Indirect - Publication - newsletter

2009 :13	2010 :13	2011 :13	2012 :13	2013 :13
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- Indirect - Website

2009 :1	2010 :1	2011 :1	2012 :1	2013 :1
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- Direct - 4-H Club - Community

2009	2010	2011	2012	2013
1	1	1	0	0
● Direct - Site visit				
3	3	3	3	3
● Direct - Workshop - series				
16	1	1	1	1
● Indirect - Volunteer Effort				
1	1	1	1	1

V(I). State Defined Outcome

O. No	Outcome Name
1	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
2	Adopt appropriate management strategies
3	Adopt appropriate pest management practices
4	Adopt appropriate technologies
5	Adopt environmentally sound practices
6	Adopt environmentally sound technologies that improve economic viability
7	Adopt practices that maintain profitability
8	Be a mentor to other community organizations or groups
9	Complete volunteer commitment
10	Compost
11	Conduct community service or outreach
12	Expand IPM
13	Grow new crop
14	Grow new variety
15	Identify and respond to pest issues
16	Identify and respond to plant and animal disorders
17	Improve IPM
18	Improve production and quality of crops
19	Improve soil health
20	Increase consumption of locally-grown food
21	Increase crop production
22	Make appropriate cultivar choices
23	Make better decisions regarding pest management
24	Plant and harvest gardens
25	Pounds of food donated
26	Reduce the use of high-risk pesticides
27	Reduce waste stream
28	Test new crops
29	Test new production techniques
30	Test new varieties
31	Use non-chemical pest management practices
32	Use pesticides safely
33	Use relevant UMCE web-based resources
34	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture
35	Enhance the safety, sustainability, and dependability of Maine's food supply
36	Increase the economic and social viability and sustainability of Maine communities
37	Protect and enhance Maine's natural resources and environment through sustainable stewardship
38	Conserve soils
39	Create and sustain effective partnerships and collaborations
40	Develop environmentally sound technologies and practices
41	Develop local food production and distribution systems
42	Engage in leadership development
43	Train new volunteers
44	Provide learning opportunities for groups or organizations
45	Develop partnerships among organizations or groups
46	Dollars saved

47	Expand and enhance markets
48	Protect or conserve biodiversity and habitat including native plant and animal species

Outcome #1**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

Outcome #2**1. Outcome Target**

Adopt appropriate management strategies

2. Outcome Type : Change in Action Outcome Measure**2009** 550**2010** : 350**2011** : 550**2012** 350**2013** :350**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

Outcome #3**1. Outcome Target**

Adopt appropriate pest management practices

2. Outcome Type : Change in Action Outcome Measure**2009** 90**2010** : 100**2011** : 90**2012** 90**2013** :90**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #4**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009** :405**2010** : 225**2011** : 425**2012** 225**2013** :225**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #5**1. Outcome Target**

Adopt environmentally sound practices

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 50**2011** : 50**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation

Outcome #6**1. Outcome Target**

Adopt environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure**2009** :150**2010** : 150**2011** : 150**2012** :150**2013** :150**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation

Outcome #7**1. Outcome Target**

Adopt practices that maintain profitability

2. Outcome Type : Change in Action Outcome Measure

2009 :80 2010 : 80 2011 : 80 2012 :80 2013 :80

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #8**1. Outcome Target**

Be a mentor to other community organizations or groups

2. Outcome Type : Change in Action Outcome Measure

2009 :30 2010 : 30 2011 : 30 2012 : 0 2013 :0

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #9**1. Outcome Target**

Complete volunteer commitment

2. Outcome Type : Change in Action Outcome Measure

2009 :65 2010 : 85 2011 : 65 2012 :60 2013 :60

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #10**1. Outcome Target**

Compost

2. Outcome Type : Change in Action Outcome Measure

2009 :125 2010 : 125 2011 : 125 2012 :100 2013 :100

3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

Outcome #11**1. Outcome Target**

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure**2009** :130**2010** : 130**2011** : 135**2012** :140**2013** :140**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #12**1. Outcome Target**

Expand IPM

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** : 30**2011** : 30**2012** :30**2013** :30**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #13**1. Outcome Target**

Grow new crop

2. Outcome Type : Change in Action Outcome Measure**2009** :45**2010** : 45**2011** : 45**2012** :45**2013** :45**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

Outcome #14**1. Outcome Target**

Grow new variety

2. Outcome Type : Change in Action Outcome Measure**2009** :110**2010** : 110**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

Outcome #15**1. Outcome Target**

Identify and respond to pest issues

2. Outcome Type : Change in Action Outcome Measure**2009** :210**2010** : 210**2011** : 210**2012** :210**2013** :210**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology

Outcome #16**1. Outcome Target**

Identify and respond to plant and animal disorders

2. Outcome Type : Change in Action Outcome Measure**2009** :70**2010** : 70**2011** : 70**2012** :70**2013** :70**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

Outcome #17**1. Outcome Target**

Improve IPM

2. Outcome Type : Change in Action Outcome Measure**2009** :60**2010** : 110**2011** : 60**2012** :110**2013** :110**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #18**1. Outcome Target**

Improve production and quality of crops

2. Outcome Type : Change in Action Outcome Measure**2009** :305**2010** : 310**2011** : 315**2012** :325**2013** :325**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #19**1. Outcome Target**

Improve soil health

2. Outcome Type : Change in Action Outcome Measure**2009** :45**2010** : 45**2011** : 45**2012** :45**2013** :45**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

Outcome #20**1. Outcome Target**

Increase consumption of locally-grown food

2. Outcome Type : Change in Action Outcome Measure**2009** :332**2010** : 332**2011** : 332**2012** :332**2013** :332**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #21**1. Outcome Target**

Increase crop production

2. Outcome Type : Change in Action Outcome Measure**2009** :60**2010** : 60**2011** : 60**2012** :60**2013** :60**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #22**1. Outcome Target**

Make appropriate cultivar choices

2. Outcome Type : Change in Action Outcome Measure**2009** :300**2010** : 300**2011** : 300**2012** :300**2013** :300**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

Outcome #23**1. Outcome Target**

Make better decisions regarding pest management

2. Outcome Type : Change in Action Outcome Measure**2009** :205**2010** : 205**2011** : 205**2012** :180**2013** :180**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #24**1. Outcome Target**

Plant and harvest gardens

2. Outcome Type : Change in Action Outcome Measure**2009** :490**2010** : 490**2011** : 490**2012** :465**2013** :465**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #25**1. Outcome Target**

Pounds of food donated

2. Outcome Type : Change in Action Outcome Measure**2009** :130300**2010** : 132300**2011** : 130300**2012** :134300**2013** :135300**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #26**1. Outcome Target**

Reduce the use of high-risk pesticides

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 206 - Basic Plant Biology

Outcome #27**1. Outcome Target**

Reduce waste stream

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 50**2011** : 50**2012** :50**2013** :50**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

Outcome #28**1. Outcome Target**

Test new crops

2. Outcome Type : Change in Action Outcome Measure**2009** :45**2010** : 45**2011** : 45**2012** :45**2013** :45**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #29**1. Outcome Target**

Test new production techniques

2. Outcome Type : Change in Action Outcome Measure**2009** :115**2010** : 115**2011** : 125**2012** :125**2013** :125**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

Outcome #30**1. Outcome Target**

Test new varieties

2. Outcome Type : Change in Action Outcome Measure**2009** 40**2010** : 40**2011** : 40**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

Outcome #31**1. Outcome Target**

Use non-chemical pest management practices

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 25**2011** : 25**2012** 25**2013** :25**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #32**1. Outcome Target**

Use pesticides safely

2. Outcome Type : Change in Action Outcome Measure**2009** 60**2010** : 60**2011** : 60**2012** 51**2013** :51**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 206 - Basic Plant Biology

Outcome #33**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** 260**2010** : 260**2011** : 260**2012** 260**2013** :260**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #34**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #35**1. Outcome Target**

Enhance the safety, sustainability, and dependability of Maine's food supply

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #36**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #37**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable stewardship

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #38**1. Outcome Target**

Conserve soils

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

Outcome #39**1. Outcome Target**

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure**2009** 30**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

Outcome #40**1. Outcome Target**

Develop environmentally sound technologies and practices

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water

- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #41**1. Outcome Target**

Develop local food production and distribution systems

2. Outcome Type : Change in Action Outcome Measure

2009 : 1	2010 : 1	2011 : 0	2012 : 0	2013 : 0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #42**1. Outcome Target**

Engage in leadership development

2. Outcome Type : Change in Action Outcome Measure

2009 : 10	2010 : 10	2011 : 10	2012 : 10	2013 : 10
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

Outcome #43**1. Outcome Target**

Train new volunteers

2. Outcome Type : Change in Action Outcome Measure

2009 : 0	2010 : 0	2011 : 0	2012 : 0	2013 : 0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

Outcome #44**1. Outcome Target**

Provide learning opportunities for groups or organizations

2. Outcome Type : Change in Action Outcome Measure**2009 :**43**2010 :**33**2011 :**33**2012 :**33**2013 :**33**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

Outcome #45**1. Outcome Target**

Develop partnerships among organizations or groups

2. Outcome Type : Change in Action Outcome Measure**2009 :**11**2010 :**11**2011 :**11**2012 :**11**2013 :**11**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 403 - Waste Disposal, Recycling, and Reuse

Outcome #46**1. Outcome Target**

Dollars saved

2. Outcome Type : Change in Action Outcome Measure**2009 :**5000**2010 :**5000**2011 :**8000**2012 :**10000**2013 :**10000**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #47**1. Outcome Target**

Expand and enhance markets

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 40**2011** : 40**2012** :40**2013** :40**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 133 - Pollution Prevention and Mitigation
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

Outcome #48**1. Outcome Target**

Protect or conserve biodiversity and habitat including native plant and animal species

2. Outcome Type : Change in Action Outcome Measure**2009** :15**2010** : 15**2011** : 15**2012** :15**2013** :15**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 206 - Basic Plant Biology

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Appropriations changes
- Natural Disasters (drought,weather extremes,etc.)
- Government Regulations
- Competing Public priorities
- Public Policy changes
- Populations changes (immigration,new cultural groupings,etc.)
- Economy
- Competing Programmatic Challenges

Description

Intentions for short-term evaluation: Survey, pre- and post-test for short-term knowledge gained, program evaluations.

Intentions for medium-term evaluation: Survey, program evaluations for behavior changed. Number of new horticulture based businesses started and or expanded.

Intentions for long-term evaluation: Survey, evaluations for long term behavior change.

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)

Description

Intentions for short-term evaluation: Survey, pre- and post-test for short-term knowledge gained, program evaluations.

Intentions for medium-term evaluation: Survey, program evaluations for behavior changed. Number of new horticulture based businesses started and or expanded.

Intentions for long-term evaluation: Survey, evaluations for long term behavior change.

2. Data Collection Methods

- On-Site
- Other (Email/Web Surveys)
- Structured
- Telephone
- Mail

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

Program #15

1. Name of the Planned Program

Maine Livestock Industry

2. Brief summary about Planned Program

Maine’s livestock industry, from large commercial operations to small diversified farms, has expressed its need for programs on production, profitability, and the development of sustainable farm management and animal husbandry systems. Related needs include marketing and the development of niche markets and value-added products. Producers, agency personnel, and 4-H members participate in workshops, pasture walks, consultations, and applied research. They attend farmer meetings, and create networks and consortiums as a way to learn from their peers.

3. Program existence : Mature (More then five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	15%		15%	
301	Reproductive Performance of Animals	5%		5%	
302	Nutrient Utilization in Animals	10%		10%	
307	Animal Production Management Systems	15%		15%	
308	Improved Animal Products (Before Harvest)	10%		10%	
311	Animal Diseases	15%		15%	
315	Animal Welfare, Well-Being and Protection	5%		5%	
401	Structures, Facilities, and General Purpose Farm Supplies	5%		5%	
601	Economics of Agricultural Production and Farm Management	10%		10%	
602	Business Management, Finance, and Taxation	10%		10%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

The Maine livestock industry has two distinct sectors: large commercial farms and small integrated and diverse farms.

The dairy industry has experienced a large consolidation of farms. While the number of dairy farms and the number of milk cows have decreased over the past ten years, milk production per cow has increased to 17,730 pounds in 2002, compared with 15,786 pounds in 1993. The total milk produced in Maine has remained level for the past several years, at approximately 655 millions pounds of milk a year.[i]

There has also been a shift in production techniques. Of the nearly 400 dairy farms licensed to sell milk in Maine, close to 80 farms are certified organic or are in transition to organic. The organic certification allows farmers to sell their milk for a premium, albeit with higher production costs.

All livestock farmers need access to information about their markets as well as on the care and feeding of their animals. Farm business management skills enable large and small farmers to make informed decisions about their operations. Farm management is more complex today than in previous times. Farmers need more detailed resources to inform decisions in order to keep ahead of the small profit margins. There is a difference in educational needs between large- and small-scale farmers.

Despite the attrition of established farmers, there are men and women interested in starting livestock enterprises in Maine,

who are looking for education about the basics of animal care.[ii]

[i] New England Agricultural Statistics Service, div. of USDA National Agricultural Statistics Service, "Milk Production," New England Agricultural Statistics 2003, page 95, <http://www.nass.usda.gov/nh/> (accessed July 2004).

[ii] Sharon Kiley Mack, "Farming Seminar For Women Slated This Fall In Turner," Bangor Daily News (Bangor, ME: June 16, 2004), 5.

2. Scope of the Program

- Multistate Research
- Multistate Extension
- Multistate Integrated Research and Extension
- In-State Research
- Integrated Research and Extension
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The Maine livestock industry faces challenges in the following areas:

•Farm profitability and price volatility. •Animal health and livestock management such as nutrition and reproduction.
•Food safety and value-added production (on-farm processing). •Niche marketing and diversification. •Financial management and business planning. •Consolidation of livestock farms and processing facilities, and vanishing infrastructure such as veterinarians, suppliers, and equipment. •Environmental concerns (nutrient management, odor, particulate, silage effluent, mortality disposal). •Education of the non-farm public (agricultural literacy); farm/non-farm relations. •Farm use of biotechnology.

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Enhance the safety, sustainability, and dependability of Maine's food supply. •Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	2.7	0.0	0.3	0.0
2010	2.7	0.0	0.3	0.0
2011	2.8	0.0	0.0	0.0
2012	2.8	0.0	0.0	0.0
2013	2.8	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•Beef Conference •Beef Quality Assurance Training •Consultations - Livestock •Cornell Dairy Farm Business
Summary Participation •Dairy Email Newsletters •Extension Livestock Website •Farm Financial Recordkeeping Schools
•Farm Visits •Farmer Meetings •Farmer Seminars •Grass Farmers Network /Northeast Pasture Consortium
•Livestock Consultations •Livestock Related (conference proceedings) •Livestock Related (publication) •Livestock
Related (refereed journal article) •Nutrient Management •On Farm research •Pasture Walk •Piscataquis Farming
Newsletter •Regional Organic Dairy Project

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 1 (Applied Research) ● Demonstrations ● Other 2 (Collaborative or Cooperative Eff) ● One-on-One Intervention ● Workshop ● Group Discussion 	<ul style="list-style-type: none"> ● Web sites ● Newsletters

3. Description of targeted audience

•Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Agricultural Workers (Adult) •Beef Producers (Adult)
 •Commercial Dairy Producers (Adult) •General Public (Adult)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	970	840	0	0
2010	940	840	0	0
2011	940	840	0	0
2012	950	840	0	0
2013	950	840	0	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0

2010 :0

2011 :0

2012 :0

2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - Collaborative or Cooperative Effort

	2009	2010	2011	2012	2013
● Direct - Consultation; phone, written, in-person	60	60	:60	60	60
	260	260	:260	260	260
● Direct - Forum	5	5	:5	5	5
● Direct - Seminar	6	6	:6	6	6
● Indirect - Publication - newsletter	18	18	:18	18	18
● Indirect - Website	1	1	:1	1	1
● Direct - Site visit	30	30	:30	30	30
● Indirect - Publication - fact sheet	1	1	:1	1	0
● Direct - Group Presentation	10	10	:10	10	10

V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt appropriate management strategies
2	Adopt appropriate nutrient management strategies
3	Adopt appropriate technologies
4	Adopt practices that maintain long-term productivity
5	Adopt practices that maintain profitability
6	Develop a business plan
7	Improve animal well-being
8	Keep accurate records
9	Maintain nutrient management certification
10	Make better decisions using available diagnostics
11	Participate in Maine cattle health assurance program
12	Participate in farm animal identification program
13	Participate in livestock disease monitoring programs
14	Participate in livestock quality assurance program
15	Participate in relevant animal associations
16	Participate in the Maine grass farmer network
17	Use grasslands efficiently for feed and water quality protection
18	Use grasslands profitably
19	Use relevant UMCE web-based resources
20	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture
21	Enhance the safety, sustainability, and dependability of Maine's food supply
22	Create Jobs
23	Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

Outcome #1**1. Outcome Target**

Adopt appropriate management strategies

2. Outcome Type : Change in Action Outcome Measure**2009** :70**2010** : 70**2011** : 70**2012** 70**2013** :70**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems
- 601 - Economics of Agricultural Production and Farm Management

Outcome #2**1. Outcome Target**

Adopt appropriate nutrient management strategies

2. Outcome Type : Change in Action Outcome Measure**2009** 30**2010** : 30**2011** : 30**2012** 30**2013** :30**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 302 - Nutrient Utilization in Animals
- 307 - Animal Production Management Systems
- 315 - Animal Welfare, Well-Being and Protection

Outcome #3**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009** 60**2010** : 60**2011** : 60**2012** 60**2013** :60**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals
- 307 - Animal Production Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare, Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #4**1. Outcome Target**

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure**2009** :70**2010** : 70**2011** : 70**2012** :70**2013** :70**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 301 - Reproductive Performance of Animals
- 307 - Animal Production Management Systems
- 315 - Animal Welfare, Well-Being and Protection
- 601 - Economics of Agricultural Production and Farm Management

Outcome #5**1. Outcome Target**

Adopt practices that maintain profitability

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #6**1. Outcome Target**

Develop a business plan

2. Outcome Type : Change in Action Outcome Measure**2009** :20**2010** : 20**2011** : 20**2012** :20**2013** :20**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

Outcome #7**1. Outcome Target**

Improve animal well-being

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare, Well-Being and Protection

Outcome #8**1. Outcome Target**

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems
- 311 - Animal Diseases
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #9**1. Outcome Target**

Maintain nutrient management certification

2. Outcome Type : Change in Action Outcome Measure**2009** :60**2010** : 60**2011** : 60**2012** : 60**2013** :60**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 302 - Nutrient Utilization in Animals

Outcome #10**1. Outcome Target**

Make better decisions using available diagnostics

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare, Well-Being and Protection

Outcome #11**1. Outcome Target**

Participate in Maine cattle health assurance program

2. Outcome Type : Change in Action Outcome Measure

2009 50	2010 : 50	2011 : 50	2012 50	2013 :50
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 301 - Reproductive Performance of Animals
- 307 - Animal Production Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare, Well-Being and Protection

Outcome #12**1. Outcome Target**

Participate in farm animal identification program

2. Outcome Type : Change in Action Outcome Measure

2009 500	2010 : 500	2011 : 500	2012 500	2013 :500
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems

Outcome #13**1. Outcome Target**

Participate in livestock disease monitoring programs

2. Outcome Type : Change in Action Outcome Measure

2009 30	2010 : 30	2011 : 30	2012 30	2013 :30
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems
- 311 - Animal Diseases

- 315 - Animal Welfare, Well-Being and Protection

Outcome #14**1. Outcome Target**

Participate in livestock quality assurance program

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare, Well-Being and Protection

Outcome #15**1. Outcome Target**

Participate in relevant animal associations

2. Outcome Type : Change in Action Outcome Measure**2009** :75**2010** : 75**2011** : 75**2012** :75**2013** :75**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

Outcome #16**1. Outcome Target**

Participate in the Maine grass farmer network

2. Outcome Type : Change in Action Outcome Measure**2009** :180**2010** : 200**2011** : 200**2012** :200**2013** :200**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems
- 601 - Economics of Agricultural Production and Farm Management

Outcome #17**1. Outcome Target**

Use grasslands efficiently for feed and water quality protection

2. Outcome Type : Change in Action Outcome Measure**2009** :130**2010** : 130**2011** : 130**2012** :130**2013** :130**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 307 - Animal Production Management Systems

Outcome #18**1. Outcome Target**

Use grasslands profitably

2. Outcome Type : Change in Action Outcome Measure**2009** 90**2010** : 90**2011** : 90**2012** 90**2013** :90**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 311 - Animal Diseases
- 601 - Economics of Agricultural Production and Farm Management

Outcome #19**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** 300**2010** : 300**2011** : 300**2012** 300**2013** :300**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals
- 307 - Animal Production Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare, Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #20**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

2. Outcome Type : Change in Condition Outcome Measure**2009 :**0**2010 :**0**2011 :**0**2012 :**0**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals
- 307 - Animal Production Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare, Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #21**1. Outcome Target**

Enhance the safety, sustainability, and dependability of Maine's food supply

2. Outcome Type : Change in Condition Outcome Measure**2009 :**0**2010 :**0**2011 :**0**2012 :**0**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals
- 307 - Animal Production Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare, Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #22**1. Outcome Target**

Create Jobs

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

Outcome #23**1. Outcome Target**

Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

2. Outcome Type : Change in Action Outcome Measure**2009** :40**2010** : 45**2011** : 45**2012** :45**2013** :45**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 601 - Economics of Agricultural Production and Farm Management

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Public Policy changes
- Populations changes (immigration,new cultural groupings,etc.)
- Natural Disasters (drought,weather extremes,etc.)
- Government Regulations
- Appropriations changes
- Economy
- Competing Programmatic Challenges
- Competing Public priorities

Description

Intentions for short-term evaluation: Numbers of participants, milk samples submitted, meetings and workshops held, numbers of clients attending meetings and work shops, publications/ articles written, bench mark data.

Intentions for medium-term evaluation: Milk quality data from processors, new management practices adopted, diagnostic lab submissions.

Intentions for long-term evaluation: Impact of programs on agricultural productivity and profitability.

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- Comparison between locales where the program operates and sites without program intervention
- During (during program)
- Before-After (before and after program)
- Case Study

Description

Intentions for short-term evaluation: Numbers of participants, milk samples submitted, meetings and workshops held, numbers of clients attending meetings and work shops, publications/ articles written, bench mark data.

Intentions for medium-term evaluation: Milk quality data from processors, new management practices adopted, diagnostic lab submissions.

Intentions for long-term evaluation: Impact of programs on agricultural productivity and profitability.

2. Data Collection Methods

- On-Site
- Mail
- Other (Email/Web surveys)
- Structured
- Case Study

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #16****1. Name of the Planned Program**

Pest Management

2. Brief summary about Planned Program

The identification, management, and control of plant and animal pests is integral to the farming and horticulture industries, both conventional and organic, to the environment, and to human health. Through workshops, demonstrations, field days, school programs, and diagnostic services, information and training will be provided to farmers, pesticide applicators, teachers, students, and home owners. Websites, newsletters, and fact sheets will supplement educational programs and provide informational access to the general public.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
211	Insects, Mites, and Other Arthropods Affecting Plants	25%		25%	
212	Pathogens and Nematodes Affecting Plants	18%		18%	
213	Weeds Affecting Plants	2%		2%	
215	Biological Control of Pests Affecting Plants	3%		3%	
216	Integrated Pest Management Systems	47%		47%	
721	Insects and Other Pests Affecting Humans	5%		5%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Maine farmers and homeowners constantly face a wide array of pests that threaten crops, homes, and health. Appropriate management techniques allow most of us to successfully grow our crops and live safely. Yet effective, safe management of pests is becoming more challenging. Emerging pests and diseases, including potato mop-top virus, new strains of potato late

blight, West Nile virus, the hemlock woolly adelgid and others, pose significant threats to Maine agriculture, the environment and human health. Additionally, as the costs of energy and other inputs increase, and long-term costs to our environment are recognized, the need for more affordable and sustainable pest management becomes more acute. Growers must maximize yield and quality while counterbalancing with a reduction of inputs to maximize profits and reduce environmental degradation.

The current market demand for perfect, pest and damage-free produce and crops, combined with the public's desire to decrease pesticide use for human health and environmental reasons, creates a difficult challenge for Maine farmers. Homeowners and farmers are increasingly at odds over the application of pesticides on farms adjacent to new or existing housing developments. Ironically, homeowners are increasing their own pesticide use. According to the Maine Board of Pesticides Control, from 1995 to 2001, the weight of pesticides brought into Maine for sales to homeowners more than doubled, from 800,000 to 1.8 million pounds.

Pesticide resistance—as well as the withdrawal from the market of effective but risky products that have been long-established industry standards—creates the need for continual adjustment in all aspects of pest management. The number of organic farms and acreage is increasing. Organic farmers, with few options available to them, need appropriate and effective pest management alternatives. This is highly challenging but essential for success. However availability, costs and knowledge gaps have, in some cases, become major barriers to the use of organic and biological controls.

2. Scope of the Program

- In-State Extension
- Multistate Integrated Research and Extension
- Integrated Research and Extension
- In-State Research
- Multistate Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The management of insects and other arthropods, plant diseases, weeds, vertebrates, and other pests is an integral part of the production of every major and minor commercial crop in Maine, including potatoes, blueberries, greenhouse/nursery crops, strawberries, brambles, apples, and corn, among others. The 7,200 farms in Maine generate agricultural crop sales valued at over \$450 million, and employ over 65,000 people. In 2003, the growing Maine environmental horticulture industry was valued at \$288 million dollars in plant production, landscape services, and wholesale/ retail sales. This industry has created 4,300 new jobs in the last five years. Without reliable and sustainable pest management strategies, these industries face severe crop losses resulting in significant reductions in profits and threats to their long-term viability. In addition to agricultural and commercial settings, IPM is important in home yard scapes and inside structures such as schools, homes, and businesses. Mosquito- and tick-borne human diseases such as West Nile virus and Lyme disease have emerged as major public health concerns.

2. Ultimate goal(s) of this Program

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Enhance the safety, sustainability, and dependability of Maine's food supply.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	9.7	0.0	1.1	0.0
2010	9.7	0.0	1.1	0.0
2011	9.7	0.0	1.1	0.0
2012	9.7	0.0	1.1	0.0
2013	9.7	0.0	1.1	0.0

V(F). Planned Program (Activity)**1. Activity for the Program**

•Client Consultation - Insect, Plant Disease, Pest Management •Cranberry Integrated Pest Management •Cranberry Integrated Pest Management Web Workshop •Cranberry Related Fact Sheets •Educational Entomological Display •Fact Sheet - Wild Blueberry •Field Day - Blueberry Hill Farm Annual •Field Day - University of Maine Blueberry Hill Farm
 •Grower Site Visits •Integrated Pest Management •IPM Related (publication) •IPM Related (refereed journal article)
 •Maine Agricultural Trade Show •Maine Cranberry Integrated Pest Management Guide •Master Gardener Training - Pests
 •Newsletter - Apple Pest Report •Newsletter - Pest Alert •Newsletter - Strawberry Integrated Pest Management
 •Newsletter - Sweet Corn Integrated Pest Management •Newsletter - Wild Blueberry •Pest Management Conference
 •Pesticide Applicator Training •Pesticide Applicator Training Certification Exams •Pesticide Applicator Training Educational Manuals
 •Plant Disease Diagnostics •Potato Integrated Pest Management •Presentations - Apple Integrated Pest Management
 •Public Presentations - Blueberries •School Presentations - Pest Management •Seminars and Training - Plant Disease Diagnostics
 •Soil & Water Conservation District Agricultural Conservation Fairs •Spring Wild Blueberry Meeting
 •Strawberry Integrated Pest Management Program •Sweet Corn Integrated Pest Management
 •Teacher Training - Entomology •Website - Apple Integrated Pest Management •Website - New England Pest Management Network
 •Website - Wild Blueberries •Wild Blueberry Farmer Site Visits •Wild Blueberry Integrated Crop Management

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Group Discussion ● Education Class ● Other 1 (Collaborative or Cooperative Eff) ● Demonstrations ● Other 2 (Conference or Symposium) ● Workshop ● One-on-One Intervention 	<ul style="list-style-type: none"> ● Web sites ● Newsletters ● Other 1 (Applied Research) ● Other 2 (Manual)

3. Description of targeted audience

•Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Agricultural Workers (Adult) •Blueberry Growers (Adult)
 •Commercial Apple Growers (Adult) •Commercial Cranberry Growers (Adult) •Commercial Potato Growers (Adult)
 •Commercial Sweet Corn Growers (Adult) •Farmers (Adult) •General Public (Adult) •Home Gardeners (Adult)
 •Master Gardener Trainees (Adult) •Pesticide Applicator Training Participants (Adult) •Scientists (Adult) •Teachers (Adult)
 •Students (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures****Target for the number of persons(contacts) to be reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	11550	27200	6360	0
2010	11550	26400	6360	0
2011	11550	27200	6360	0
2012	11600	27400	6360	0
2013	11600	27400	6360	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - AV Resource

2009 :4 2010 :4 2011 :4 2012 :4 2013 :4

- Direct - Collaborative or Cooperative Effort

2009 :2455 2010 :2455 2011 :2455 2012 :2455 2013 :2455

- Direct - Course

2009 :290 2010 :295 2011 :300 2012 :310 2013 :310

- Direct - Demonstration Project

2009 :137 2010 :137 2011 :137 2012 :137 2013 :137

- Direct - Display or exhibit

2009 :15	2010 :15	2011 :15	2012 :15	2013 :15
● Direct - Group Presentation				
2009 :25	2010 :25	2011 :25	2012 :25	2013 :25
● Direct - Public Presentation				
2009 :2	2010 :2	2011 :2	2012 :2	2013 :2
● Direct - Seminar				
2009 :1	2010 :1	2011 :1	2012 :1	2013 :1
● Direct - Site visit				
2009 :27	2010 :27	2011 :27	2012 :27	2013 :27
● Direct - Volunteer Training				
2009 :7	2010 :7	2011 :7	2012 :7	2013 :7
● Direct - Workshop - series				
2009 :13	2010 :13	2011 :13	2012 :13	2013 :13
● Direct - Workshop - single session				
2009 :14	2010 :14	2011 :14	2012 :14	2013 :14
● Indirect - Applied Research				
2009 :3	2010 :3	2011 :3	2012 :3	2013 :3
● Indirect - Publication - booklet				
2009 :1	2010 :1	2011 :1	2012 :1	2013 :1
● Indirect - Publication - fact sheet				
2009 :7	2010 :5	2011 :7	2012 :7	2013 :7
● Indirect - Publication - manual				
2009 :1000	2010 :1000	2011 :1000	2012 :1000	2013 :1000
● Indirect - Publication - newsletter				
2009 :44	2010 :44	2011 :44	2012 :44	2013 :44
● Indirect - Website				
2009 :552	2010 :552	2011 :552	2012 :552	2013 :552

V(I). State Defined Outcome

O. No	Outcome Name
1	Adopt and maintain integrated pest management strategies
2	Acquire pesticide applicator certification
3	Adopt IPM strategies
4	Adopt appropriate technologies
5	Adopt practices that maintain long-term productivity
6	Adopt practices that maintain profitability
7	Develop environmentally sound technologies that improve economic viability
8	Expand IPM
9	Identify and respond to pest issues
10	Identify and respond to plant and animal disorders
11	Improve IPM
12	Maintain pesticide applicator certification
13	Make better decisions regarding pest management
14	Reduce the use of high-risk pesticides
15	Use pesticides safely
16	Use relevant UMCE web-based resources
17	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
18	Enhance the safety, sustainability, and dependability of Maine's food supply.
19	Scout crops for pests

Outcome #1**1. Outcome Target**

Adopt and maintain integrated pest management strategies

2. Outcome Type : Change in Action Outcome Measure**2009** :1660**2010** : 1670**2011** : 1730**2012** :1740**2013** :1740**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

Outcome #2**1. Outcome Target**

Acquire pesticide applicator certification

2. Outcome Type : Change in Action Outcome Measure**2009** :590**2010** : 590**2011** : 590**2012** :590**2013** :590**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #3**1. Outcome Target**

Adopt IPM strategies

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #4**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009** 650**2010** : 660**2011** : 660**2012** 670**2013** :670**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

Outcome #5**1. Outcome Target**

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure**2009** 420**2010** : 420**2011** : 420**2012** 420**2013** :420**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #6**1. Outcome Target**

Adopt practices that maintain profitability

2. Outcome Type : Change in Action Outcome Measure**2009** 420**2010** : 420**2011** : 420**2012** 420**2013** :420**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #7**1. Outcome Target**

Develop environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure**2009** 200**2010** : 200**2011** : 200**2012** 200**2013** :200**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #8**1. Outcome Target**

Expand IPM

2. Outcome Type : Change in Action Outcome Measure**2009** :350**2010** : 420**2011** : 440**2012** :440**2013** :440**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #9**1. Outcome Target**

Identify and respond to pest issues

2. Outcome Type : Change in Action Outcome Measure**2009** :3620**2010** : 3660**2011** : 3670**2012** :3700**2013** :3700**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

Outcome #10**1. Outcome Target**

Identify and respond to plant and animal disorders

2. Outcome Type : Change in Action Outcome Measure**2009** :1550**2010** : 1560**2011** : 1570**2012** :1580**2013** :1580**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

Outcome #11**1. Outcome Target**

Improve IPM

2. Outcome Type : Change in Action Outcome Measure**2009** 530**2010** : 600**2011** : 580**2012** 650**2013** :650**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #12**1. Outcome Target**

Maintain pesticide applicator certification

2. Outcome Type : Change in Action Outcome Measure**2009** 3600**2010** : 3600**2011** : 3600**2012** 3600**2013** :3600**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #13**1. Outcome Target**

Make better decisions regarding pest management

2. Outcome Type : Change in Action Outcome Measure**2009** 2400**2010** : 2450**2011** : 2475**2012** 2500**2013** :2500**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

Outcome #14**1. Outcome Target**

Reduce the use of high-risk pesticides

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 22**2012** 22**2013** :22**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems

Outcome #15**1. Outcome Target**

Use pesticides safely

2. Outcome Type : Change in Action Outcome Measure**2009 :**800**2010 :**850**2011 :**900**2012 :**1000**2013 :**1000**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

Outcome #16**1. Outcome Target**

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009 :**20450**2010 :**21000**2011 :**21450**2012 :**22000**2013 :**22000**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

Outcome #17**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure**2009 :**0**2010 :**0**2011 :**0**2012 :**0**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants

- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

Outcome #18**1. Outcome Target**

Enhance the safety, sustainability, and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2009 :0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

Outcome #19**1. Outcome Target**

Scout crops for pests

2. Outcome Type : Change in Action Outcome Measure

2009 :14	2010 : 16	2011 : 20	2012 22	2013 :22
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Competing Programmatic Challenges
- Competing Public priorities
- Appropriations changes
- Economy
- Public Policy changes
- Natural Disasters (drought,weather extremes,etc.)
- Government Regulations
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Comparison between locales where the program operates and sites without program intervention
- After Only (post program)

Description

Intentions for short-term evaluation: A written evaluation survey will be circulated to program participants and newsletter recipients.

Intentions for medium-term evaluation: A written evaluation survey will be circulated to program participants and newsletter recipients. In addition, the program will be evaluated by the Maine Potato Board and the Maine Potato Advisory Group or other stakeholder groups as determined.

Intentions for long-term evaluation: A written evaluation survey will be circulated to program participants and newsletter recipients. In addition, the program will be evaluated by the Maine Potato Board as well as the Maine Potato Advisory Group or other stakeholder groups as determined. Historical records will be used.

2. Data Collection Methods

- Mail
- Other (Email/Web surveys)
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

Program #17

1. Name of the Planned Program

Sustainable Communities

2. Brief summary about Planned Program

Programs directed at the development of sustainable communities are multi-faceted, long-term efforts that engage individuals and families in different ways and in different settings. Based on local needs, programs will address social and environmental issues from fisheries management to food systems, community resource planning to consumer horticulture, and from conservation of natural resources to community and organizational development. Agricultural and fisheries industry members, community members, policy makers, and home gardeners will engage in public issues education, develop vision-to-action projects, and demonstrate sustainable practices.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	15%			
112	Watershed Protection and Management	15%			
133	Pollution Prevention and Mitigation	10%			
136	Conservation of Biological Diversity	10%			
403	Waste Disposal, Recycling, and Reuse	10%			
605	Natural Resource and Environmental Economics	10%			
608	Community Resource Planning and Development	10%			
724	Healthy Lifestyle	10%			
802	Human Development and Family Well-Being	5%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	5%			
	Total	100%			

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Many communities are beginning to see that economic development, environmental quality, healthy families, and social equity are mutually supportive. The creation of sustainable communities encompasses "smart growth" responses to a complex matrix of issues relating to development, economy, growth, environment, and society.

There is no consensus, however, about the need for sustainable practices at the community level. We face a "crisis of perception" about the current situation and threats to future security. If Maine does not create a shared vision about the need to develop and foster sustainable communities, we will very likely pass along to future generations an environment that is depleted of high quality natural resources, an economy that serves the interests of investors but not citizens. Communities may become increasingly polarized, thus more stressful places to live.

Maine citizens, including families, business interests, organizational leaders, and municipal officials need information about the current community situation on which to base sound judgments. Collaborative techniques that encourage participation in building a shared vision of success, and examples of projects that have proved successful, provide the foundation of new opportunities to positively influence community life. Many partners are working in local areas and at the state level to provide information and facilitate community-based approaches to sustainability.

2. Scope of the Program

- In-State Extension
- In-State Research
- Multistate Extension
- Multistate Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Community success is to often gauged by measures of population and economic growth. The perception is so pervasive that almost every American community is looking for ways to grow out of its problems, even when those problems are themselves the result of growth. It is easy to find examples of short-term thinking that pits economic growth against the health of citizens and the natural world. The creation of sustainable communities requires that development strategies integrate thinking beyond pure growth to include such things as affordable housing, local food production and marketing, ecotourism, tax reform, healthier life choices, and efforts to increase social justice.

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Enhance the safety, sustainability, and dependability of Maine's food supply. •Increase the economic and social viability and sustainability of Maine communities. •Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	1.4	0.0	0.0	0.0
2010	1.4	0.0	0.0	0.0
2011	1.4	0.0	0.0	0.0
2012	1.5	0.0	0.0	0.0
2013	1.5	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•Food Donated to food cupboards and soup kitchens •Food System Education Programs •Large-scale community vision-to-action projects •Public Issue education through facilitated community forums and conferences •Public Issue Education via Talk of the Towns and Family Radio Forum •Smart Growth Demonstration Projects •Smart Growth Programming •Sustainability Series

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Demonstrations ● Group Discussion ● Workshop ● Education Class 	<ul style="list-style-type: none"> ● Other 1 (Radio)

3. Description of targeted audience

•Community Leaders (Adult) •Community Members (Adult) •Home Gardeners (Adult) •Homeowners (Adult) •Radio Program Audience (Adult) •Consumers (Adult) •Home Gardeners (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	585	7500	60	0
2010	945	7500	70	0
2011	945	7500	80	0
2012	945	7500	80	0
2013	945	7500	80	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - Conference or symposium; Planning and/or participation

2009 2 2010 4 2011 4 2012 4 2013 4

- Direct - Demonstration Project

2009 21 2010 21 2011 21 2012 21 2013 21

- Direct - Public Presentation

2009 2 2010 2 2011 2 2012 2 2013 2

- Direct - Seminar

2009	2010	2011	2012	2013
1	1	:1	:1	:1
● Direct - Workshop - series				
3	4	:5	5	5
● Direct - Workshop - single session				
3	3	:3	3	3
● Indirect - Radio Program				
24	24	:24	24	24
● Direct - Course				
4	4	:4	4	4

V(I). State Defined Outcome

O. No	Outcome Name
1	Promote community responsibility and action
2	Promote personal responsibility and action
3	Reduce use of fossil fuels
4	Reduce waste stream
5	Reduces greenhouse gasses
6	Adopt appropriate practices
7	Adopt appropriate technologies
8	Adopt lower impact lifestyles
9	Conduct community service or outreach
10	Develop local food production and distribution systems
11	Increase consumption of locally-grown food
12	Increase levels of community participation and decision making
13	Make better decisions regarding natural resource management
14	Assess community needs
15	Balance roles, responsibilities, and stress
16	Compost
17	Facilitate community discussions
18	Increase use of Maine-produced natural resources
19	Consume less
20	Create demonstration model
21	Develop public policies or practices
22	Engage positively in their community
23	Evaluate or analyze existing public policies or practices
24	Promote healthy relationships
25	Promote municipal responsibility and action
26	Reduce pesticide use
27	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
28	Increase the economic and social viability and sustainability of Maine communities.
29	Protect and enhance Maine's natural resources and environment through sustainable stewardship.
30	Use relevant UMaine Extension web-based resources

Outcome #1**1. Outcome Target**

Promote community responsibility and action

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 30**2011** : 35**2012** 40**2013** :45**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #2**1. Outcome Target**

Promote personal responsibility and action

2. Outcome Type : Change in Action Outcome Measure**2009** :70**2010** : 80**2011** : 90**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #3**1. Outcome Target**

Reduce use of fossil fuels

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 30**2011** : 40**2012** 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation

Outcome #4**1. Outcome Target**

Reduce waste stream

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 30**2011** : 30**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation

Outcome #5**1. Outcome Target**

Reduces greenhouse gasses

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 30**2011** : 35**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 605 - Natural Resource and Environmental Economics

Outcome #6**1. Outcome Target**

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #7**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009** 40**2010** : 40**2011** : 40**2012** 40**2013** :40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water

- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #8**1. Outcome Target**

Adopt lower impact lifestyles

2. Outcome Type : Change in Action Outcome Measure**2009** :15**2010** : 15**2011** : 15**2012** :15**2013** :15**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #9**1. Outcome Target**

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure**2009** :32**2010** : 37**2011** : 42**2012** :47**2013** :47**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #10**1. Outcome Target**

Develop local food production and distribution systems

2. Outcome Type : Change in Action Outcome Measure**2009 :**1**2010 :**1**2011 :**1**2012 :**1**2013 :**1**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #11**1. Outcome Target**

Increase consumption of locally-grown food

2. Outcome Type : Change in Action Outcome Measure**2009 :**32**2010 :**37**2011 :**37**2012 :**42**2013 :**42**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #12**1. Outcome Target**

Increase levels of community participation and decision making

2. Outcome Type : Change in Action Outcome Measure**2009 :**42**2010 :**42**2011 :**42**2012 :**42**2013 :**42**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #13**1. Outcome Target**

Make better decisions regarding natural resource management

2. Outcome Type : Change in Action Outcome Measure**2009 :**10**2010 :**10**2011 :**10**2012 :**10**2013 :**10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development

Outcome #14**1. Outcome Target**

Assess community needs

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #15**1. Outcome Target**

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Knowledge Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #16**1. Outcome Target**

Compost

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

Outcome #17**1. Outcome Target**

Facilitate community discussions

2. Outcome Type : Change in Action Outcome Measure**2009** 2**2010** : 2**2011** : 2**2012** 2**2013** :2**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #18**1. Outcome Target**

Increase use of Maine-produced natural resources

2. Outcome Type : Change in Action Outcome Measure**2009** 2**2010** : 3**2011** : 4**2012** 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics

Outcome #19**1. Outcome Target**

Consume less

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics
- 724 - Healthy Lifestyle

Outcome #20**1. Outcome Target**

Create demonstration model

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics

Outcome #21**1. Outcome Target**

Develop public policies or practices

2. Outcome Type : Change in Action Outcome Measure**2009** :5**2010** : 5**2011** : 5**2012** : 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #22**1. Outcome Target**

Engage positively in their community

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 15**2011** : 20**2012** : 25**2013** :25**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #23**1. Outcome Target**

Evaluate or analyze existing public policies or practices

2. Outcome Type : Change in Action Outcome Measure**2009** :4**2010** : 5**2011** : 5**2012** : 5**2013** :5**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #24**1. Outcome Target**

Promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure**2009** :15**2010** : 20**2011** : 20**2012** : 25**2013** :25**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #25**1. Outcome Target**

Promote municipal responsibility and action

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 30**2011** : 35**2012** 40**2013** :45**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

Outcome #26**1. Outcome Target**

Reduce pesticide use

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation

Outcome #27**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

Outcome #28**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #29**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development

Outcome #30**1. Outcome Target**

Use relevant UMaine Extension web-based resources

2. Outcome Type : Change in Action Outcome Measure

2009 20	2010 : 20	2011 : 20	2012 20	2013 :20
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Public priorities
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programmatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Public Policy changes
- Economy
- Government Regulations

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Comparisons between program participants (individuals,group,organizations) and non-participants
- Retrospective (post program)
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.
- Before-After (before and after program)

Description

Intentions for short-term evaluation: Pre- and post-event evaluation instruments as well as retrospective evaluation instruments will be used to measure knowledge gained and skills learned.

Intentions for medium-term evaluation: Evaluation of changes in behavior, practice, decision-making, policy, and social action; evaluation of changes in civic engagement.

Intentions for long-term evaluation: Research on the long-term impact of changes in social, civic, organizational, economic, and environmental conditions.

2. Data Collection Methods

- Case Study
- Mail
- Structured
- Telephone
- Other (Email/Web surveys)

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

Program #18

1. Name of the Planned Program

Youth Development

2. Brief summary about Planned Program

Based on statewide needs assessments, the Maine 4-H Youth Development program has four focus areas: Youth in Governance; Healthy Lifestyles; Science and Technology; and Earth Connections. Maine youth and their volunteer leaders will participate in workshops, experiential learning, clubs, after-school programs, camps, and international exchange programs. As a result, they will gain knowledge and life skills that will support their development into engaged, responsible citizens committed to a sustainable future.

3. Program existence : Mature (More then five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
133	Pollution Prevention and Mitigation	5%		5%	
134	Outdoor Recreation	15%		15%	
724	Healthy Lifestyle	20%		20%	
801	Individual and Family Resource Management	5%		5%	
802	Human Development and Family Well-Being	15%		15%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%		10%	
805	Community Institutions, Health, and Social Services	3%		3%	
806	Youth Development	27%		27%	
	Total	100%		100%	

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Maine is a rural state, and home to over 230,000 youth between the ages of 5 and 17.[i] The following statistics and facts support the need for UMaine Extension to emphasize life skills development in five categories:

Workforce preparation: The Maine Learning Results require that each student leave school as a clear and effective communicator, a self-directed and life-long learner, a creative and practical problem solver, a responsible and involved citizen, a collaborative and quality worker and an integrative and informed thinker.[ii] Over the past five years there has been a 14 percent increase in the number of high school dropouts and a 14 percent increase in teens not attending school and not working.[iii]

Media literacy and technology: The Kaiser Foundation found that the average child between 8 and 18 years of age spends more time with television, video games, music, and the Internet than they spend at school or with parents,[iv] even though forty-two percent of children in Maine are unable to access the Internet from home.[v]

Youth leadership: Approximately 44 percent of Maine youth engage in community service and volunteerism.[vi] Students engaged in service learning show an increase in awareness of community needs, believe they can make a difference, and are committed to volunteerism now and in the future.[vii]

Out-of-school time: Twenty-three percent of Maine's K-12 youth are responsible for taking care of themselves after school. Currently, only 15 percent of Maine's K-12 youth participate in after-school programs.[viii]

Healthy lifestyle choices: In the last five years Maine has reported a 14 percent increase in teen deaths (by accident, homicide, and suicide), six percent higher than the national average.[ix]

[i] U.S. Census Bureau, U.S. Census 2000, <http://www.census.gov>.

[ii] Maine State Department of Education, State of Maine Learning Results, <http://www.state.me.us/education/lres/homepage.htm> (accessed July 2004).

[iii] The Annie E. Casey Foundation, Kids Count 2004 Data Book, <http://www.aecf.org/kidscount/databook/> (accessed July 2004).

[iv] Donald F. Roberts, Ulla Foehr, Victoria J. Rideout, and Mollyann Brodie., Kids & Media @ The New Millennium, (The Herbert J. Kaiser Family Foundation, November 1999), <http://www.kff.org/entmedia/loader.cfm?url=/commonspot/security/getfile.cfm&PageID=13267> (accessed July 2004).

[v] Casey Foundation, Kids Count.

[vi] USM Edmund S. Muskie School of Public Service, Maine Marks for Children, Families and Communities (June 2003), <http://www.mainemarks.org/>.

[vii] A. Melchior, National Evaluation of Learn and Serve America, (Waltham, MA: Brandeis University, 1999).

[viii] Afterschool Alliance, America After 3 pm, http://www.afterschoolalliance.org/press_archives/america_3pm/ME_NR.pdf (accessed July 2004).

[ix] Casey Foundation, Kids Count.

2. Scope of the Program

- In-State Extension
- In-State Research
- Multistate Extension
- Multistate Research
- Multistate Integrated Research and Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

If Maine chooses to ignore these issues, youth will not get the guidance needed to develop the life skills necessary to be successful, and will continue to struggle with making healthy choices. This will affect their workforce preparation and potentially decrease their aspirations. The difficulty of making positive choices increases with a lack of after-school opportunities: many young people are more likely to engage in risky behavior during the time period immediately after school, from 4:00-8:00 p.m. In 2000, 10,885 children were arrested in Maine.[i] Lack of technology will further isolate rural Maine. Because of the volume of media youth are exposed to, it is imperative that they become media literate. According to the Maine Department of Education, approximately 70 percent of youth who graduate from high school will further their education. However, there are concerns that in the more rural and economically depressed counties those percentages are lower.[ii]

[i] Federal Bureau of Investigation, Arrested Persons by State (2000), <http://www.fbi.gov/ucr/00cius.htm> (accessed July 2004).

[ii] ME Dept of Education, Graduates on to post secondary schools - history, by county and unit - public schools, <http://www.state.me.us/education/enroll/grads/historical/gradtrend.htm> (accessed July 2004).

2. Ultimate goal(s) of this Program

•Enhance the economic and environmental sustainability of Maine agriculture and aquaculture. •Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and sustainability of Maine communities. •Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2009	10.3	0.0	0.3	0.0
2010	10.3	0.0	0.1	0.0
2011	10.3	0.0	0.0	0.0
2012	10.3	0.0	0.0	0.0
2013	10.3	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

•4-H Afterschool •4-H Civil Rights Teams •4-H Club Leader Development and Support •4-H Club Support •4-H County Club Program •4-H County Club Programs •4-H Dairy Challenge •4-H Earth Connections Club Kits •4-H Earth Connections Day Camp •4-H Fairs •4-H leader and volunteer development •4-H Leader Development and Support •4-H Livestock Activities •4-H Super Sitter •4-H Youth In Governance •Adult 4-H Volunteer Trainings •Agricultural Job Exploration •Community Collaborative Healthy Lifestyle Program •County 4-H Leadership Team •Cumberland County 4-H School Enrichment •Financial Literacy for High School Students •Gender Project- Youth •GIS/GPS Training •Healthy Lifestyles- Safe Operation of Farm Tractors and Equipment •Healthy Lifestyles: 4-H School Enrichment •Knox-Lincoln Counties 4-H School Enrichment •Maine 4-H GIS/GPS Project-Cumberland County •Maine 4-H International Exchanges/month long summer exchange •Maine 4-H International Year long High School Exchange •New Media On-line Communities Outreach - Youth Community Action YouthCAN Website & Dream Now Website; research into engaging adults in Youth Community Action •Operation Military Kids •Outreach to new audiences - Native American Communities; Operation Military Kids •School GIS/GPS programs •Science and Technology •Summer Camps - 4-H Day Camp •Tanglewood Leadership Program •Tanglewood Summer Residential Camp •Teen Leadership Council Entrepreneurship Activities •Volunteer Development - Clubs and 4-H Afterschool •York County 4-H Discovery Arts •Youth Adult Tech Teams

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● One-on-One Intervention ● Other 2 (4-H Day and Overnight Camp) ● Group Discussion ● Other 1 (Collaborative or Cooperative Eff) ● Workshop ● Education Class 	<ul style="list-style-type: none"> ● Other 1 ()

3. Description of targeted audience

•4-H Leaders (Adult) •4-H Volunteers (Adult) •Adults with Disabilities (Adults) •Agency Staff or Professionals (Adult) •Agricultural Workers (Adult) •Community Leaders (Adult) •Community Members (Adult) •Community Organization Members or Staff (Adult) •Extension - all staff (Adult) •Parents (Adult) •Teachers (Adult) •Volunteers (Adult) •4-H Community or Project Clubs Participants (Youth) •4-H Independent Members (Youth) •4-H Leader or Project Skills Training Program Participants (Youth) •4-H Leaders (Youth) •4-H Members (Youth) •4-H Special Interest or Short-Term Program Participants (Youth) •4-H Volunteers (Youth) •Community Members (Youth) •School Enrichment Program Participants (Youth) •Students (Youth) •Youth (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	1445	0	5334	4
2010	1490	0	5503	0
2011	1524	0	5562	0
2012	1555	0	5665	0
2013	1572	0	5691	0

2. (Standard Research Target) Number of Patent Applications Submitted**Expected Patent Applications**

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs**1. Output Target**

- Direct - 4-H After School

2009 :12 2010 :12 2011 :12 2012 :12 2013 :12

- Direct - 4-H Club - Community

2009 :68 2010 :76 2011 :84 2012 :91 2013 :91

- Direct - 4-H Club - Project

2009 :144 2010 :119 2011 :121 2012 :171 2013 :171

- Direct - 4-H Day Camp

2009 :6 2010 :7 2011 :7 2012 :7 2013 :7

- Direct - 4-H Overnight Camp

2009	525	2010	525	2011	:525	2012	525	2013	525
● Direct - 4-H School Enrichment									
2009	35	2010	34	2011	:34	2012	34	2013	34
● Direct - 4-H Short-term									
2009	6	2010	6	2011	:6	2012	6	2013	6
● Direct - 4-H Special Interest									
2009	264	2010	265	2011	:266	2012	266	2013	266
● Direct - Collaborative or Cooperative Effort									
2009	:10	2010	:11	2011	:6	2012	:7	2013	:7
● Direct - Volunteer Training									
2009	91	2010	98	2011	:104	2012	:109	2013	:109
● Direct - Workshop Series									
2009	:13	2010	:13	2011	:13	2012	:13	2013	:13
● Direct - Conference or symposium; Planning and/or participation									
2009	4	2010	4	2011	:4	2012	4	2013	4
● Direct - Consultation; phone, written, in-person									
2009	:10	2010	:10	2011	:10	2012	:10	2013	:10
● Direct - Train-the-Trainer									
2009	5	2010	5	2011	:5	2012	5	2013	5

V(I). State Defined Outcome

O. No	Outcome Name
1	Develop a plan for increasing physical activity
2	Conduct tours of agricultural employers in Maine
3	Adopt appropriate technologies
4	Adopt lower impact lifestyles
5	Adopt the USDA dietary guidelines and the food guide pyramid
6	Assume personal responsibility for health
7	Balance roles, responsibilities, and stress
8	Be a global citizen
9	Conduct community service or outreach
10	Conduct community service or outreach using science and technology skills
11	Create and sustain effective partnerships and collaborations
12	Create learning opportunities based on principles of positive human development
13	Create learning opportunities that are safe and empowering
14	Develop a financial plan
15	Develop a sense of belonging to a community
16	Develop community resources
17	Develop literacy and critical thinking skills
18	Develop skills that promote healthy relationships
19	Engage in leadership development
20	Engage positively in their community
21	Ensure that all people feel safe and accepted
22	Facilitate meetings effectively
23	Handle animals safely
24	Identify and solve problems using science and technology skills
25	Increase capacity to achieve goals
26	Increase capacity to establish goals or make decisions
27	Integrate regular physical activity into daily life
28	Keep livestock healthy
29	Make better decisions
30	Make better decisions regarding healthy lifestyle
31	Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills
32	Manage community resources
33	Model positive group behavior to others
34	Operate equipment safely
35	Participate in leadership roles
36	Participation in 4-H Dairy projects and events
37	Practice safety
38	Support and mentor others in leadership roles
39	Take leadership role
40	Teach effectively
41	Treat all people with dignity and respect
42	Use clear and effective communication skills
43	Use new technologies
44	Work effectively with diverse groups
45	Work productively in a team
46	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

47	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness
48	Increase the economic and social viability and sustainability of Maine communities
49	Protect and enhance Maine's natural resources and environment through sustainable stewardship
50	Collect information and communicate results
51	Increase volunteerism
52	Lead effectively
53	Promote healthy relationships
54	Protect or conserve biodiversity and habitat including native plant and animal species
55	Adopt record-keeping system
56	Develop a business plan
57	Dollars saved
58	Make better decisions using records and data
59	Use relevant UMaine Extension web-based resources

Outcome #1**1. Outcome Target**

Develop a plan for increasing physical activity

2. Outcome Type : Change in Knowledge Outcome Measure**2009** 90**2010** : 90**2011** : 90**2012** 90**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #2**1. Outcome Target**

Conduct tours of agricultural employers in Maine

2. Outcome Type : Change in Action Outcome Measure**2009** 3**2010** : 3**2011** : 3**2012** 3**2013** :3**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

Outcome #3**1. Outcome Target**

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure**2009** 246**2010** : 260**2011** : 264**2012** 276**2013** :276**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

Outcome #4**1. Outcome Target**

Adopt lower impact lifestyles

2. Outcome Type : Change in Action Outcome Measure**2009** :740**2010** : 740**2011** : 740**2012** 740**2013** :740**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #5**1. Outcome Target**

Adopt the USDA dietary guidelines and the food guide pyramid

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #6**1. Outcome Target**

Assume personal responsibility for health

2. Outcome Type : Change in Action Outcome Measure**2009** 245**2010** : 195**2011** : 195**2012** :195**2013** :195**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #7**1. Outcome Target**

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #8**1. Outcome Target**

Be a global citizen

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #9**1. Outcome Target**

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure**2009** :1400**2010** : 1350**2011** : 1400**2012** :1400**2013** :1400**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #10**1. Outcome Target**

Conduct community service or outreach using science and technology skills

2. Outcome Type : Change in Action Outcome Measure**2009** 244**2010** : 244**2011** : 260**2012** 260**2013** :260**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #11**1. Outcome Target**

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure**2009** :140**2010** : 140**2011** : 140**2012** :140**2013** :140**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #12**1. Outcome Target**

Create learning opportunities based on principles of positive human development

2. Outcome Type : Change in Action Outcome Measure**2009** 800**2010** : 800**2011** : 800**2012** 800**2013** :800**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #13**1. Outcome Target**

Create learning opportunities that are safe and empowering

2. Outcome Type : Change in Action Outcome Measure**2009** 250**2010** : 250**2011** : 250**2012** 250**2013** :250**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #14**1. Outcome Target**

Develop a financial plan

2. Outcome Type : Change in Action Outcome Measure

2009 :425	2010 : 550	2011 : 550	2012 550	2013 :550
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

Outcome #15**1. Outcome Target**

Develop a sense of belonging to a community

2. Outcome Type : Change in Action Outcome Measure

2009 :720	2010 : 770	2011 : 820	2012 870	2013 :870
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #16**1. Outcome Target**

Develop community resources

2. Outcome Type : Change in Action Outcome Measure

2009 :100	2010 : 100	2011 : 100	2012 :100	2013 :100
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

Outcome #17**1. Outcome Target**

Develop literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure**2009 :**100**2010 :**100**2011 :**100**2012 :**100**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 806 - Youth Development

Outcome #18**1. Outcome Target**

Develop skills that promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure**2009 :**800**2010 :**1000**2011 :**1010**2012 :**1015**2013 :**1015**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #19**1. Outcome Target**

Engage in leadership development

2. Outcome Type : Change in Action Outcome Measure**2009 :**100**2010 :**100**2011 :**100**2012 :**100**2013 :**100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #20**1. Outcome Target**

Engage positively in their community

2. Outcome Type : Change in Action Outcome Measure**2009 :**795**2010 :**855**2011 :**915**2012 :**975**2013 :**975**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #21**1. Outcome Target**

Ensure that all people feel safe and accepted

2. Outcome Type : Change in Action Outcome Measure

2009 :640 **2010** : 750 **2011** : 750 **2012** :750 **2013** :750

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #22**1. Outcome Target**

Facilitate meetings effectively

2. Outcome Type : Change in Action Outcome Measure

2009 :50 **2010** : 75 **2011** : 100 **2012** :100 **2013** :100

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

Outcome #23**1. Outcome Target**

Handle animals safely

2. Outcome Type : Change in Action Outcome Measure

2009 :410 **2010** : 440 **2011** : 440 **2012** :440 **2013** :440

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 806 - Youth Development

Outcome #24**1. Outcome Target**

Identify and solve problems using science and technology skills

2. Outcome Type : Change in Action Outcome Measure**2009** 218**2010** : 218**2011** : 243**2012** 243**2013** :243**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 806 - Youth Development

Outcome #25**1. Outcome Target**

Increase capacity to achieve goals

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 125**2011** : 150**2012** 200**2013** :200**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #26**1. Outcome Target**

Increase capacity to establish goals or make decisions

2. Outcome Type : Change in Action Outcome Measure**2009** 600**2010** : 650**2011** : 680**2012** 680**2013** :680**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #27**1. Outcome Target**

Integrate regular physical activity into daily life

2. Outcome Type : Change in Action Outcome Measure**2009** 530**2010** : 530**2011** : 530**2012** 530**2013** :530**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #28**1. Outcome Target**

Keep livestock healthy

2. Outcome Type : Change in Action Outcome Measure

2009 :100	2010 : 100	2011 : 100	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 806 - Youth Development

Outcome #29**1. Outcome Target**

Make better decisions

2. Outcome Type : Change in Action Outcome Measure

2009 :300	2010 : 300	2011 : 300	2012 300	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

Outcome #30**1. Outcome Target**

Make better decisions regarding healthy lifestyle

2. Outcome Type : Change in Action Outcome Measure

2009 :1260	2010 : 1280	2011 : 1285	2012 :1290	2013 :1290
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #31**1. Outcome Target**

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure**2009** 200**2010** : 200**2011** : 200**2012** 200**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #32**1. Outcome Target**

Manage community resources

2. Outcome Type : Change in Action Outcome Measure**2009** 50**2010** : 50**2011** : 50**2012** 50**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

Outcome #33**1. Outcome Target**

Model positive group behavior to others

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** : 100**2011** : 100**2012** :100**2013** :0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #34**1. Outcome Target**

Operate equipment safely

2. Outcome Type : Change in Action Outcome Measure**2009** :30**2010** : 30**2011** : 30**2012** 30**2013** :30**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

- 806 - Youth Development

Outcome #35**1. Outcome Target**

Participate in leadership roles

2. Outcome Type : Change in Action Outcome Measure**2009** :300**2010** :315**2011** :340**2012** :365**2013** :365**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #36**1. Outcome Target**

Participation in 4-H Dairy projects and events

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** :100**2011** :100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 806 - Youth Development

Outcome #37**1. Outcome Target**

Practice safety

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** :100**2011** :100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #38**1. Outcome Target**

Support and mentor others in leadership roles

2. Outcome Type : Change in Action Outcome Measure**2009** :200**2010** :200**2011** :200**2012** :200**2013** :200**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

Outcome #39**1. Outcome Target**

Take leadership role

2. Outcome Type : Change in Action Outcome Measure**2009** :75**2010** :105**2011** :135**2012** :140**2013** :145**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

Outcome #40**1. Outcome Target**

Teach effectively

2. Outcome Type : Change in Action Outcome Measure**2009** :100**2010** :100**2011** :100**2012** :100**2013** :100**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

Outcome #41**1. Outcome Target**

Treat all people with dignity and respect

2. Outcome Type : Change in Action Outcome Measure**2009** :720**2010** :722**2011** :724**2012** :726**2013** :728**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

- 806 - Youth Development

Outcome #42**1. Outcome Target**

Use clear and effective communication skills

2. Outcome Type : Change in Action Outcome Measure

2009 :465	2010 : 505	2011 : 545	2012 : 585	2013 :585
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

Outcome #43**1. Outcome Target**

Use new technologies

2. Outcome Type : Change in Action Outcome Measure

2009 :425	2010 : 445	2011 : 445	2012 : 455	2013 :455
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

Outcome #44**1. Outcome Target**

Work effectively with diverse groups

2. Outcome Type : Change in Action Outcome Measure

2009 :580	2010 : 682	2011 : 684	2012 : 686	2013 :688
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

Outcome #45**1. Outcome Target**

Work productively in a team

2. Outcome Type : Change in Action Outcome Measure

2009 290 **2010** : 315 **2011** : 340 **2012** 365 **2013** :365

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 806 - Youth Development

Outcome #46**1. Outcome Target**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

2. Outcome Type : Change in Condition Outcome Measure

2009 0 **2010** : 0 **2011** : 0 **2012** 0 **2013** :0

3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

Outcome #47**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** : 0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

Outcome #48**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** : 0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

Outcome #49**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable stewardship

2. Outcome Type : Change in Condition Outcome Measure**2009** 0**2010** : 0**2011** : 0**2012** 0**2013** : 0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

Outcome #50**1. Outcome Target**

Collect information and communicate results

2. Outcome Type : Change in Action Outcome Measure

2009 24	2010 : 32	2011 : 40	2012 #0	2013 :40
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #51**1. Outcome Target**

Increase volunteerism

2. Outcome Type : Change in Action Outcome Measure

2009 20	2010 : 20	2011 : 20	2012 20	2013 :20
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #52**1. Outcome Target**

Lead effectively

2. Outcome Type : Change in Action Outcome Measure

2009 #0	2010 : 55	2011 : 70	2012 85	2013 :85
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

Outcome #53**1. Outcome Target**

Promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

Outcome #54**1. Outcome Target**

Protect or conserve biodiversity and habitat including native plant and animal species

2. Outcome Type : Change in Action Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 : 0
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

Outcome #55**1. Outcome Target**

Adopt record-keeping system

2. Outcome Type : Change in Action Outcome Measure

2009 :162	2010 : 214	2011 : 216	2012 218	2013 :218
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3. Associated Institute Type(s)

- 1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #56**1. Outcome Target**

Develop a business plan

2. Outcome Type : Change in Action Outcome Measure**2009 :** 8**2010 :** 10**2011 :** 10**2012 :** 10**2013 :** 10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #57**1. Outcome Target**

Dollars saved

2. Outcome Type : Change in Action Outcome Measure**2009 :** 4000**2010 :** 4500**2011 :** 5000**2012 :** 5500**2013 :** 6000**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #58**1. Outcome Target**

Make better decisions using records and data

2. Outcome Type : Change in Action Outcome Measure**2009 :** 30**2010 :** 40**2011 :** 40**2012 :** 40**2013 :** 40**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

Outcome #59**1. Outcome Target**

Use relevant UMaine Extension web-based resources

2. Outcome Type : Change in Action Outcome Measure**2009** #00**2010** : 400**2011** : 400**2012** #00**2013** :400**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Appropriations changes
- Government Regulations
- Public Policy changes
- Economy
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programmatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Competing Public priorities

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- During (during program)
- Comparisons between program participants (individuals,group,organizations) and non-participants
- Retrospective (post program)

Description

Intentions for short-term evaluation: Retrospective evaluation, surveys, skill competencies and demonstrations.

Intentions for medium-term evaluation: Life skills wheel data, project records, skill applications.

Intentions for long-term evaluation: Portfolios, 4-H stories, interviews of youth and adults.

2. Data Collection Methods

- Structured
- Observation
- Mail
- Other (Email/Web Surveys)
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**Program #19****1. Name of the Planned Program**

Watershed Management

2. Brief summary about Planned Program

Water is an important economic and environmental resource in Maine, especially in relation to drinking water, agriculture, and recreation. Education on pollution sources and control, particularly non-point sources like agriculture and development, is key to the conservation of Maine's water resources. Our Watershed Management program will focus on volunteer training and outreach, watershed planning for municipalities, and education on well-water and ground-water issues and how to address them.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
101	Appraisal of Soil Resources	10%			
111	Conservation and Efficient Use of Water	20%			
112	Watershed Protection and Management	20%			
131	Alternative Uses of Land	10%			
132	Weather and Climate	15%			
403	Waste Disposal, Recycling, and Reuse	10%			
901	Program and Project Design, and Statistics	15%			
	Total	100%			

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

In Maine, nutrient inputs from non-point sources are a primary cause of lake degradation.[i] The 1996 Maine Department of Environmental Protection (DEP) 305b report to the U.S. Environmental Protection Agency (EPA) stated that "control of non-point source pollution is crucial to protecting Maine lakes, groundwater, . . . smaller riverine water bodies and selected larger rivers." [ii, iii] Agriculture and development are the two major land uses that facilitate the movement of nutrients and other non-point pollutants to surface water and groundwater. Storm water runoff from developed areas causes nearly one third of all water quality deterioration in U.S. lakes, and is a significant source of pollution to inland and coastal waters in Maine.[iv-v] Habitat is degraded cumulatively, and often irreversibly, by individual land use decisions.

Individual homeowners, community decision-makers, and lake and watershed associations need to know how water quality and habitat is influenced by watershed land use. Protection of Maine's water resources is more effective and efficient when all in a watershed work together.

Clean water is vital to Maine's economy both directly and indirectly. A 1996 University of Maine study of economics and Maine lakes found the following: [vi, vii]

- Each year, recreation on Maine lakes accounts for 13 million days of use. •Recreation generates \$1.1 billion per year, with 15 percent of that brought in by nonresidents. •Other uses of lake water (drinking water, youth camps) are worth at least \$400 million. •Lakes that supply public drinking water provide 93.5 million user days per year, and are valued at over \$141 million.
- The total economic value of Maine lakes is \$6.7 billion, supporting over 50,000 Maine jobs. •Declining lake water quality leads to lower property values. •Loss of tax revenue to towns due to reduced property values would be significant. •As many as 66 percent of Maine residents use lakes on an annual basis.[viii]

We depend on clean groundwater for drinking water. As many one third of Maine's 1.2 million residents rely on lakes for drinking water, with most of the remaining residents using streams or groundwater wells for public water supplies. The Maine Drinking Water Program regulates Maine's public water supplies; however, no standards or regulations exist for well water. Polluted runoff may contaminate wells with bacteria, and wells may contain harmful naturally occurring elements such as arsenic and uranium. Human health is at risk when people consume contaminated water. With close to half of Maine's population obtaining their water from private supplies, this represents a considerable risk.

[i] Jeffrey Dennis, "Phosphorus Export from a Low Density Residential Watershed and an Adjacent Forested Watershed," Lake and Reservoir Management 2 (1986): 401-407.

[ii] Maine Department of Environmental Protection (DEP), State of Maine Water Quality Assessment (1996) DEPLW96-15.

[iii] U.S. Environmental Protection Agency (EPA), 2000 National Water Quality Inventory, <http://www.epa.gov/305b/2000report/> (accessed February, 2004).

[iv] U.S. EPA, Nonpoint Source Pollution: The Nation's Largest Water Quality Problem - Pointer No. 1, (Washington, D.C.: United States Environmental Protection Agency Office of Water, 1996), EPA841-F-96-004A.

[v] S. Carpenter, N.F. Caraco, D.L. Correll, R.W. Howarth, A.N. Sharpley, and V.H. Smith, "Nonpoint Pollution of Surface Waters with Phosphorus and Nitrogen," Ecological Applications 8 (1998): 559-568.

[vi] K.J. Boyle, S.R. Lawson, H.J. Michael and R. Bouchard, Lakefront Property Owners' Economic Demand for Water Clarity in Maine Lakes, Maine Agricultural and Forest Experiment Station Misc. Report 410 (September 1998).

[vii] K.J. Boyle, J. Scheutz, and J.S. Kahl, "Great Ponds Play an Integral Part in Maine's Economy," University of Maine Department of Resource Economics & Policy Staff Paper REP 473, (April 1997).

[viii] Maine DEP, The Economics of Lakes - Dollars and Sense, <http://www.state.me.us/dep/blwq/doclake/research.htm> (accessed July, 2004).

2. Scope of the Program

- In-State Extension
- Integrated Research and Extension
- Multistate Integrated Research and Extension
- Multistate Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Maine is a water-rich state. We rely heavily on both surface and ground water for drinking water and agricultural irrigation. High quality surface water for recreation is important to our economic health and national image. Our water resources bring tourist dollars into the state each year.

2. Ultimate goal(s) of this Program

- Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. •Increase the economic and social viability and sustainability of Maine communities. •Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2009	1.4	0.0	0.0	0.0
2010	1.4	0.0	0.0	0.0
2011	1.4	0.0	0.0	0.0
2012	1.4	0.0	0.0	0.0
2013	1.4	0.0	0.0	0.0

V(F). Planned Program (Activity)**1. Activity for the Program**

•Outreach Planning for Lake Groups Training •Watershed Management Related (publication) •Watershed Management Related (refereed journal article) •Watershed Planning with Municipalities •Watershed Stewards Program •Wellwater and Groundwater Education

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> Other 1 (Public Presentation) Workshop 	<ul style="list-style-type: none"> Other 1 ()

3. Description of targeted audience

•General Public (Adult) •Municipal Officials (Adult) •Volunteers (Adult) •Watershed Stewards (Adult) •General Public (Youth)

V(G). Planned Program (Outputs)**1. Standard output measures**

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2009	98	0	10	0
2010	100	0	10	0
2011	100	0	10	0
2012	100	0	10	0
2013	100	0	10	0

2. (Standard Research Target) Number of Patent Applications Submitted

Expected Patent Applications

2009 :0 2010 :0 2011 :0 2012 :0 2013 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target	Total
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Workshop - series

2009 7 2010 8 2011 8 2012 8 2013 8

- Direct - Workshop - single session

2009 2 2010 2 2011 2 2012 2 2013 2

V(I). State Defined Outcome

O. No	Outcome Name
1	Conduct a watershed survey
2	Identify pollution sources
3	Install or enhance conservation plantings using primarily native plants
4	Install or enhance vegetated buffers
5	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition,
6	and lifelong wellness
7	Increase the economic and social viability and sustainability of Maine communities
8	Protect and enhance Maine's natural resources and environment through sustainable stewardship
9	Act on the results of a well-water test
10	Address water quality issues when making land and water use and planning decisions
11	Be involved in town government
12	Conduct community service or outreach
13	Identify and remediate pollution sources
14	Promote municipal responsibility and action
15	Test well-water
	Use services of natural resource professionals

Outcome #1**1. Outcome Target**

Conduct a watershed survey

2. Outcome Type : Change in Action Outcome Measure**2009** :20**2010** : 20**2011** : 20**2012** :20**2013** :20**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

Outcome #2**1. Outcome Target**

Identify pollution sources

2. Outcome Type : Change in Action Outcome Measure**2009** :50**2010** : 50**2011** : 50**2012** : 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

Outcome #3**1. Outcome Target**

Install or enhance conservation plantings using primarily native plants

2. Outcome Type : Change in Action Outcome Measure**2009** :25**2010** : 30**2011** : 50**2012** : 50**2013** :50**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

Outcome #4**1. Outcome Target**

Install or enhance vegetated buffers

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land

Outcome #5**1. Outcome Target**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse
- 901 - Program and Project Design, and Statistics

Outcome #6**1. Outcome Target**

Increase the economic and social viability and sustainability of Maine communities

2. Outcome Type : Change in Condition Outcome Measure

2009 0	2010 : 0	2011 : 0	2012 0	2013 :0
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3. Associated Institute Type(s)

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse
- 901 - Program and Project Design, and Statistics

Outcome #7**1. Outcome Target**

Protect and enhance Maine's natural resources and environment through sustainable stewardship

2. Outcome Type : Change in Condition Outcome Measure**2009 :**0**2010 :**0**2011 :**0**2012 :**0**2013 :**0**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse
- 901 - Program and Project Design, and Statistics

Outcome #8**1. Outcome Target**

Act on the results of a well-water test

2. Outcome Type : Change in Action Outcome Measure**2009 :**10**2010 :**15**2011 :**15**2012 :**15**2013 :**15**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

Outcome #9**1. Outcome Target**

Address water quality issues when making land and water use and planning decisions

2. Outcome Type : Change in Action Outcome Measure**2009 :**2**2010 :**2**2011 :**2**2012 :**2**2013 :**2**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

Outcome #10**1. Outcome Target**

Be involved in town government

2. Outcome Type : Change in Action Outcome Measure**2009** 5**2010** : 5**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 901 - Program and Project Design, and Statistics

Outcome #11**1. Outcome Target**

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure**2009** 3**2010** : 5**2011** : 5**2012** 5**2013** :5**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse
- 901 - Program and Project Design, and Statistics

Outcome #12**1. Outcome Target**

Identify and remediate pollution sources

2. Outcome Type : Change in Action Outcome Measure**2009** :10**2010** : 10**2011** : 10**2012** :10**2013** :10**3. Associated Institute Type(s)**

•1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 403 - Waste Disposal, Recycling, and Reuse

Outcome #13**1. Outcome Target**

Promote municipal responsibility and action

2. Outcome Type : Change in Action Outcome Measure**2009** 25**2010** : 30**2011** : 35**2012** #0**2013** :45**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 901 - Program and Project Design, and Statistics

Outcome #14**1. Outcome Target**

Test well-water

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 30**2011** : 30**2012** 30**2013** :30**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water

Outcome #15**1. Outcome Target**

Use services of natural resource professionals

2. Outcome Type : Change in Action Outcome Measure**2009** 20**2010** : 20**2011** : 20**2012** 20**2013** :20**3. Associated Institute Type(s)**

- 1862 Extension

4. Associated Knowledge Area(s)

- 901 - Program and Project Design, and Statistics

V(J). Planned Program (External Factors)**1. External Factors which may affect Outcomes**

- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programmatic Challenges
- Economy
- Natural Disasters (drought,weather extremes,etc.)
- Appropriations changes
- Government Regulations
- Competing Public priorities
- Public Policy changes

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- Other (Water Testing)
- After Only (post program)

Description

Intentions for short-term evaluation: After program/workshop evaluations using learning indicators, well water tests.

Intentions for medium-term evaluation: Measure action items such as testing well water, implement survey.

Intentions for long-term evaluation: Five- and ten-year program review through surveys and phone interviews, use long-term water quality in lakes.

2. Data Collection Methods

- Mail
- Case Study
- Other (Email/Web surveys, Water Testing)
- Telephone

Description

{NO DATA ENTERED}